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1979

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Ministry of
Energy, Mines and
Petroleum Resources

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VICTORIA
BRITISH COLUMBIA
CANADA

AUGUST 1983

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PREFACE

BACKGROUND

The first Minister of Mines of the Province of British Columbia was appointed in 1874. One of his responsibilities was 'the duty of collecting information on the subject of the mining industries of the Province.' This material, which consisted of reports by the Gold Commissioners and Mining Recorders of the Province, was published in the Annual Report of the Minister of Mines.

A Bureau of Mines was established by Parliamentary authority in 1895 and in 1896 was staffed by a Provincial Mineralogist and an assayer and chemist. Technical reports on mines and mining activities were prepared by them and published in the Annual Report, together with reports contributed by the Mining Recorders and Gold Commissioners.

Over the years, with the expansion of the mining industry, the staff of the Department of Mines grew, as did the number and size of the technical reports on geology and mining that were still published in the Annual Report of the Minister of Mines. Over a period of nearly 75 years the Annual Report became known as the authoritative record of mining in the Province.

However, because of the size to which the Annual Report had grown, it was decided in 1969 to publish all geological and technical reports dealing with solid minerals in a separate volume entitled, *Geology, Exploration and Mining in British Columbia*. Thus a new annual publication was initiated with chapters on exploration and mining related to metals, placer, structural materials and industrial minerals, and coal. In 1975 a revised format was introduced for *Geology, Exploration and Mining in British Columbia* to allow the three main sections to be released as soon as prepared. The separate sections are: *Mining in British Columbia* – a record of mining in the Province plus the Chief Inspector's report; *Exploration in British Columbia* – a record of the performance of the industry in exploration; and *Geology in British Columbia* – a record of the mapping and research of the Geological Division of the Mineral Resources Branch. This mode continued until 1978 when the growth of the three volumes and the delay in assembling them led to their complete separation.

ORGANIZATION

This report is organized in the following order: metals, non-metallic commodities, and coal. Introductory statements precede the body of each section. The general review of exploration is brief.

A map showing the distribution of currently explored properties is in the pocket of *Exploration* (Fig. E-1).

All reports are arranged sequentially according to the National Topographic System (NTS) map designation. In the NTS designation, the whole of Canada is divided into primary quadrangles, each 4 degrees latitude by 8 degrees longitude. Each is described by a number, the last digit of which indicates bands of latitude and the first one (or two) indicates bands of longitude (for example, 104). British Columbia is covered by six of these primary quadrangles except for minor areas. Each primary quadrangle is subdivided into 16 1:250 000 map sheets, each 1 degree latitude by 2 degrees longitude, and described by letters A to P (for example 104G) proceeding from the southeast corner to the west in the southern panel, then east to the next panel, and so on. Each lettered quadrangle is subdivided into 16 map sheets, each 15 minutes latitude by 30 minutes longitude and numbered 1 to 16 in an analogous manner to the lettering (for example, 104G/7). Finally each sheet is halved east and west for maps of the 1:50 000 series and each is described (for example, 104G/7E and 104G/7W).

This report proceeds by primary quadrangle from the southeastern part of the Province to the northwestern part. Within each primary quadrangle the order proceeds from A/1E to A/1W to A/2E, and sequentially to P/16E.

An index to published base maps and air photographs may be obtained from the Surveys and Mapping Branch, Map Production Division, Ministry of Environment.

SOURCES OF INFORMATION

A considerable amount of information in the following reports is supplied by mining and exploration companies. Partially completed forms are sent to explorers as a result of receipt of a completed Form 10-11, Notice of Work on a Mineral Property. The cooperation of explorers in completing the forms is gratefully acknowledged. This information is augmented by staff geologists then edited and assembled by Resource Data and Analysis and Publications Sections. Other information is gathered by forms submitted jointly by Mineral Economics Division of the Ministry and Statistics Canada.

Geological, geophysical, geochemical, drilling, and prospecting assessment reports contain a large amount of valuable information. The results of work presented in assessment reports that were submitted and accepted in 1979 are summarized and published herein. The last report summarized for the current publication is Assessment Report 7853. Assessment reports submitted and accepted after 1979, concerning properties for which exploration questionnaires have already been submitted to the Ministry, are entered as references on the property writeups until this manuscript is finalized for publication. Reports accepted in 1979 for work done in 1978 are not summarized if the work was previously reported on exploration questionnaires. Because of this policy not all assessment reports appear as references. Assessment reports are available for study or for duplication at cost one year after the date of their submission.

Geologists and engineers on the staff of the Mineral Resources Branch prepare reports on mineralized areas, deposits, and mines which may be extracted for this volume.

LOCATIONS

In this report, a description of the property location is given as well as the latitude and longitude and NTS designation of the 1:50 000 map sheet in which the property lies. The latitude and longitude given is either the centre of the property or the area of major work. NTS designation is that of the main showing(s) or the majority of the claims. In cases where claims are located in more than one NTS sheet, several NTS designations are given.

NAME

Most often the name or names given to a property are those used for the Mineral Inventory. This is often the name by which the property was originally or formerly known (for example, Glacier Gulch, Magnum). Sometimes the name or names are those of one or more of the claims that constitute the group; occasionally a name is used which is derived from the name of the company owning the property (for example, Bralorne, Granisle). Where established to a reasonable degree of confidence, the Mineral Inventory number, which appeared after the property name in 1975, has been included with the references (for example, Mineral Inventory 82E/SE-1). Where practicable, all names of claims comprising a property are given under the heading 'claims.'

OWNERSHIP

Where possible the owner (or owners) of the claims reported is stated. For located claims the owner is taken directly from Ministry records at the time the manuscript is being prepared. Unrecorded bills of sale and outstanding option agreements sometimes make it impossible to determine the owner at a given date. For Crown grants, unless an extensive search is made, it is sometimes impossible to be certain of their ownership.

In instances when the operator (the company or individual for whom the work was done or who paid for it) is known but the owner is uncertain, then only the operator is recorded; when the owner is also the operator, then only the owner is recorded; and when the owner is not the operator and both are known, then both are recorded.

INTRODUCTION

Exploration expenditures for metals increased dramatically from $29 475 341 in 1978 to $53 810 829 in 1979. This increase is associated with second-stage detailed exploration programs on properties acquired in the new wave of grassroots investigations begun in 1977.

Exploration expenditures for coal decreased slightly from $19 800 923 in 1978 to $17 839 029 in 1979. Activity was still concentrated in the Peace River Coalfield, but coal exploration and development were evident in all established coalfields within the Province.

Exploration expenditures for industrial minerals, structural materials, and placer in 1979 decreased significantly from $459 280 to $284 193.

TABLE E-1 EXPLORATION AND DEVELOPMENT EXPENDITURES
1974, 1975, 1976, 1977, 1978, and 1979

	Physical Work and Surveys $	Administration, Overhead, Land Costs, Etc $	Construction, Machinery and Equipment, Other Capital Costs $	Totals $
[illegible]				
Metals				
1974	18 773 326	6 525 878	128 144	25 427 348
1975	16 366 152	5 298 367	442 327	22 106 846
1976	20 437 180	6 365 331	381 416	27 183 927
1977	19 097 099	6 974 231	106 059	26 177 389
1978	22 724 774	5 715 214	1 035 353	29 475 341
1979	42 789 552	10 438 163	583 114	53 810 829
Coal				
1974	3 450 746	884 849	18 958	4 354 553
1975	9 955 507	3 057 843		13 013 350
1976	9 234 269	3 678 893		12 913 162
1977	14 741 425	4 797 788		19 539 213
1978	15 289 351	4 511 572		19 800 923
1979	11 765 168	6 073 861		17 839 029
Industrial Minerals, Structural Materials, and Placer				
1974	42 706	11 134		53 840
1975	90 025	35 679		125 704
1976	73 453	47 760		121 213
1977	327 113	9 860	222 092	559 065
1978	342 100	117 180		459 280
1979	135 062	149 131		284 193
Totals				
1974	22 266 778	7 421 861	147 102	29 835 741
1975	26 411 684	8 391 889	442 327	35 245 900
1976	29 744 902	10 091 984	381 416	40 218 302
1977	34 165 637	11 781 879	328 151	46 275 667
1978	38 356 225	10 343 966	1 035 353	49 735 544
1979	54 689 782	16 661 155	583 114	71 934 051

METALS EXPLORATION

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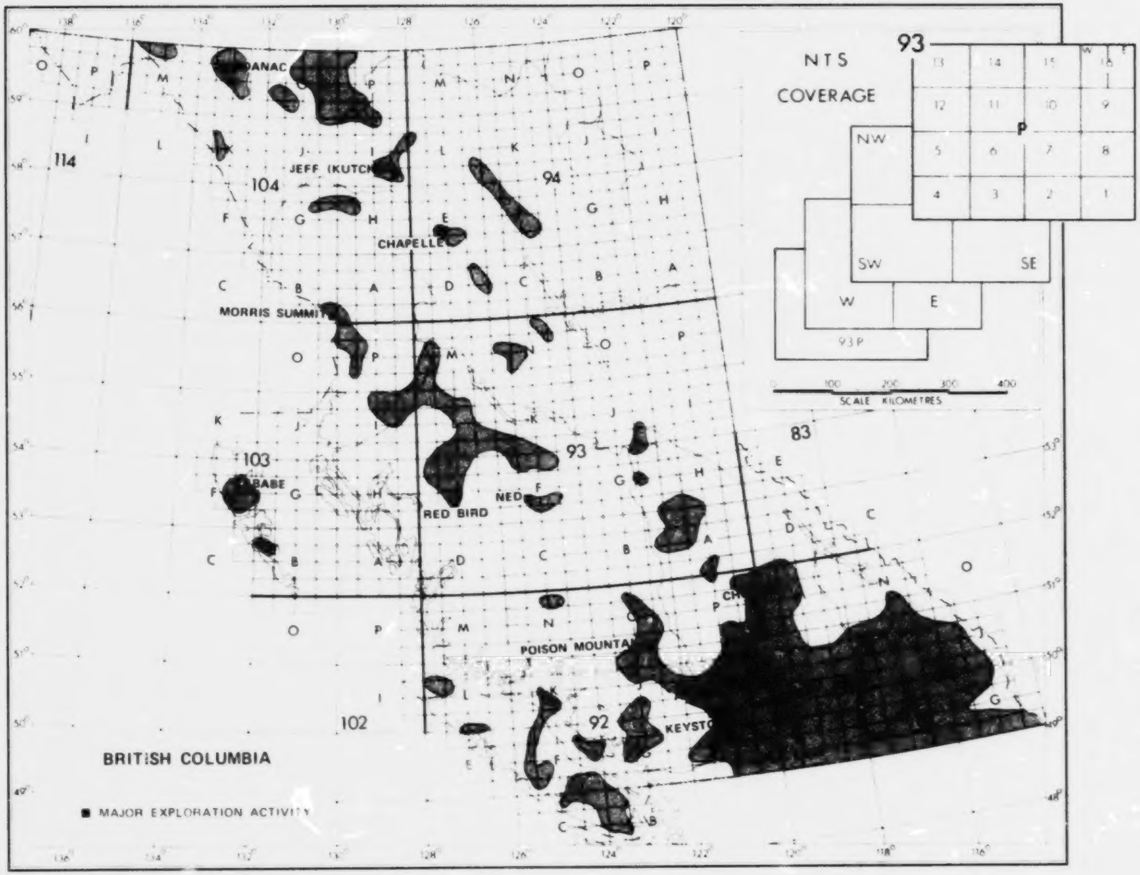
NTS
COVERAGE
93
NW
SW
SE
W
E
93P
SCALE KILOMETRES
0
100
200
300
400
114
104
94
103
93
83
102
92
DANAC
JEFF (KUTCH
CHAPELLE
MORRIS SUMMIT
BABE
RED BIRD
NED
POISON MOUNTA
KEYSTO
CH
BRITISH COLUMBIA
■ MAJOR EXPLORATION ACTIVITY

Figure E–2. Major metals exploration properties and areas.

REVIEW OF METALS EXPLORATION AND PROSPECTING

By A. Sutherland Brown, G. McArthur, and T. E. Kalnins

ACTIVITY IN METALS

The large increase in metals exploration activity is reflected in a number of statistical indicators. As well as the 82-per-cent increase in expenditures over 1978, the number of claim units recorded increased by 49 per cent to 55 352. Similarly, individual free miner certificates issued increased by 55 per cent to 14 591 and company free miner certificates increased by 21 per cent to 643 (Table E–2).

This increase in exploration activity is part of a trend that started in 1977 with initiation of a number of grassroots programs that have matured into more detailed programs in 1978 and 1979. In addition, generally high metal prices and favourable currency exchange rates prevailed during 1978 and 1979 resulting in higher profits and larger exploration budgets.

The trends in exploration activity between 1969 and 1979 are summarized in Table E–4 where the annual number of surveys are compiled by type, for example, airborne surveys submitted as assessment reports.

DISTRIBUTION OF EXPLORATION

The distribution of exploration activity is arranged by NTS quarter quadrangles and summarized in Table E–3.

Metals exploration in 1979 was more broadly based and widely distributed than in recent years (Fig. E–2 shows major exploration projects on properties during the year). A great variety of metals are currently receiving major exploration effort, but considerable emphasis has been on molybdenum and precious metal deposits. Nevertheless, for the first time in years there has been major exploration for lead-zinc-silver and it was rewarded with considerable success. The recent pattern of copper exploration continued – high levels of effort searching for porphyry deposits but a fair effort in regard to massive sulphides especially in the Omineca Belt.

The present strong market outlook for molybdenum sparked an intense exploration effort for molybdenum, molybdenum-tungsten, and copper-molybdenum porphyries. In the Coast Tectonic Belt major molybdenum projects include Omni, Redbird (Craigmont Mines Limited) and Salal Creek (BP Minerals Limited). In the Intermontane Belt, the principal molybdenum exploration property is Glacier Gulch (Climax Molybdenum Corporation of British Columbia, Limited) at which a further underground drilling program was conducted. In the Omineca Belt, Boya (Texasgulf Inc.), Trout Lake (Newmont Exploration of Canada Limited and Esso Minerals Canada Limited), Butters Creek (Noranda Exploration Company, Limited and Amax Potash Limited), and Carmi (Union

TABLE E–2

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Exploration expenditure (dollars)*	44 400 000	46 000 000	39 100 000	38 200 000	37 300 000	26 400 000	22 100 000	27 200 000	26 200 000	29 500 000	53 800 000
Number of companies*	422	481	407	389	352	228	121	136	222	172	184
Claims recorded	84 665	69 546	57 778	78 901	35 659	16 971	11 751†	28 970†	37 151†	37 242	55 352
Certificates of work	88 954	118 633	106 704	97 573	128 641	48 071	39 403	37 729	39 711	65 705	76 233
Free miner certificates –											
Individual	9 880	10 034	9 351	9 032	7 084	9 998	8 484	7 826	7 566	9 444	14 591
Companies	1 060	911	930	927	563	700	562	555	520	531	643

*From returns to Mineral Economics Division.
†Unit modified grid system.

TABLE E–4. SUMMARY OF ASSESSMENT REPORTS*

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Value of work done (dollars)*	2 100 000	4 400 000	3 800 000	4 100 000	4 600 000	5 900 000	8 500 000	7 100 000	7 600 000	11 100 000	6 500 000
Geological surveys	158	184	158	203	221	89	94	119	150	215	70
Geophysical surveys –											
Ground	262	304	267	310	292	119	112	115	159	221	126
Airborne	47	28	20	17	30	7	4	6	11	12	12
Geochemical surveys	292	304	327	308	338	136	127	153	198	282	126
Drilling –											
Surface (diamond)	**	**	**	**	46	160	139	120	94	123	63
Other (rotary, percussion, underground)	**	**	**	**	9	39	32	44	37	42	9
Prospecting	**	**	**	**	17	29	40	35	26	52	29
Linecutting, topographic	43	34	51	61	68	31	32	31	65	71	48
Number of assessment reports	569	622	583	637	698	456	416	439	427	522	506
Number of companies and individuals	303	326	321	348	355	232	212	229	198	277	197
Number of properties	383	513	490	534	466	384	342	381	366	549	333

*From Geological Division sources. Based on year work done except value of work done (dollars) for years 1969 to 1976 inclusive, which is based on year report accepted.
**Not applicable — type of work not accepted for technical assessment report credit.

TABLE E-3. SUMMARY OF EXPLORATION EFFORT

NTS	No. of Properties	Geological Mapping	Geophysical Surveys							Geochemical Surveys			Surface Diamond Drilling		Other Drilling				Physical Work				
			Airborne		Ground																		
			No. of Surveys	Kilometres	No. of Surveys	Induced Polarization (kilometres)	Electromagnetic (kilometres)	Magnetometer (kilometres)	Radiometric (kilometres)	No. of Surveys	Soil and Silt (No. of samples)	Rock Chip (No. of samples)	No. of Properties	Metres	No. of Properties	Rotary (metres)	Percussion (metres)	Underground D.D. (metres)	Trenching (metres)	Stripping (square metres)	Underground (metres)	Roads (kilometres)	Linecutting (kilometres)
82/SE	15	...	...	...	6	...	80	...	147	7	1 074	30	...	...	...	...	...	...	...	...	...	...	80
82/SW	137	90	...	...	71	53	156	490	311	71	24 567	1 069	19	12 190	13	2 663	10 065	...	2 553	51	30	20	635
82/NW	90	44	1	170	27	104	130	237	...	57	30 909	559	27	27 969	2	...	3 003	...	2 076	1 015	236	13	540
82/NE	8	1	...	...	1	...	...	2 5	...	5	512	...	1	460	...	...	...	...	194	...	...	...	...
83/SW	3	1	...	...	...	...	...	...	...	...	...	...	2	798	...	...	...	...	...	...	...	...	...
92/SE	73	20	1	402	21	106	42	127	45 5	34	17 833	1 247	25	17 998	6	550	2 220	...	7 560	...	...	4	225
92/SW	25	3	...	...	8	...	35	...	...	11	1 814	86	6	1 684	...	...	...	...	62	...	2 220	...	13
92/NW	16	7	...	...	4	9	...	31	...	2	376	...	3	2 448	...	...	...	...	27	400	...	...	42
92/NE	89	10	6	4 295	30	136 3	38	135	337	39	9 040	612	28	28 426	21	1 171	11 068	1 806	13 910	6 901	1 464	24	408
93/SE	20	3	...	...	3	11	15	...	...	12	2 244	189	8	4 819	1	...	533	615	497	6	1 035	8	40
93/SW	10	3	...	...	6	14	0	11	50	6	1 633	219	4	11 052	2	...	1 929	...	...	...	...	6	50
93/NW	37	10	...	...	20	37	136	70	24	16	8 851	186	11	5 702	5	...	3 321	1 884	660	...	...		170
93/NE	1	2	...	...	3		...	...	...	1	109	4	...	...	...	...	...	...	...	...	...	...	...
94/SE	1	...	...	...	...	...	...	...	...	1	709	43	...	...	...	...	...	...	10	...		...	...
94/SW	7	7	...	...	2	8	...	...	...	4	4 774	23	6	2 646	...	...	...	...	1 497	...	240	3	100
94/NW	5	3	...	...	3	20	32	...	...	4	6 576	65	2	3 799		...	...	...	...	...	...		18
94/NE	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...
103/SE	8	3	1	125	2		1	1	...	6	1 787	681	...	...	...	...	...	...	45	...	...	1	4
103/SW	19	5	4	361	1		8	...	...	13	6 205	84	1	7 750	3	...	2 794		...	...	...	...	8
103/NW	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...
103/NE	24	17	...	...	5	14	...	22	...	20	4 521	135	5	3 456	...	...	...	...	36	...	141	...	72
104/SE	20	13	1	...	6	4	37	50	...	11	6 706	388	3	2 685	...	...	...	...	2 865	...	398	7 5	13
104/SW	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
104/NW	17	15	3	1 685	14	13	34	35	25	19	4 091	192	8	7 259	1		...	431	37	2 100	158	7	39
104/NE	49	34	...	...	14	185	62	188	...	27	7 726	409	11	16 673		...	...		5 850	450	766	16	252
114/NE	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	652	251	17	7 038	235	714 3	806	1 399 5	939 5	364	142 057	6 211	170	157 814	53	4 384	34 933	4 736	37 879	10 923	6 668	109 5	2 709
1978	776	313	23	7 047	357	645	2 516	1 529	1 121 5	392	129 368	6 611	159	122 476	54	3 252	35 751	7 873	11 485	7 605	1 175	237	1 686

Oil Company of Canada Limited) are the principal prospects. Trout Lake started an underground exploration and drill program. Butters Creek is a new discovery made as a result of the Federal-Provincial Uranium Reconnaissance Program – a regional geochemical stream sediment survey.

Gold and silver deposits were the target of major programs widely distributed in all but the Eastern Marginal Belt. Major exploration included the Babe (Consolidated Cinola Mines Ltd.) and Court and Buckhorn (Chevron Canada Limited) in the Queen Charlotte Islands; Morris Summit (Scottie Gold Mines Ltd.) and Big Missouri (Western Mines Limited) in the Stewart area; Spectrum (Consolidated Silver Ridge Mines Ltd.) and Chappelle (Du Pont of Canada Exploration Limited) in the north-central Intermontane Belt; Capoose (Granges Exploration Aktiebolag) south of Smithers and Black Dome Mountain (Barrier Reef Resources Ltd.) in the southern Intermontane Belt; and Hanna Gold (United Hearne Resources Ltd.) and Vollaug (Silver Standard Mines Limited) in the northern Omineca Belt near Cassiar.

Most of these are vein deposits of modest size but a few, such as the Babe, propose bulk mining. Many of these properties were assisted by the Ministry's program of mineral exploration incentive in 1978 or 1979.

One of the most important developments has been in the northwest Rockies where significant shale-hosted zinc-lead-silver-barite deposits were discovered in the Liard Trough, an extension of the Selwyn basin. Many showings have been discovered in the favourable Devonian Gunsteel Formation. The principal discovery is the Cirque deposit that is jointly owned by Cyprus Anvil Mining Corporation and Hudson's Bay Oil and Gas Company Limited, with reserves defined to date of 15 million tonnes of 2.3 per cent lead, 6.9 per cent zinc, and 49 grams per tonne silver. Considerably more potential exists for this deposit and also for the nearby Elf, Fluke, Pie (Rio Tinto Canadian Exploration Limited), and Driftpile (North Gataga Joint Venture) deposits. These appear to be the most important lead-zinc discoveries in British Columbia since the Sullivan in 1892. In addition, a major deposit of barite containing fine diffuse bands of galena and sphalerite in the same stratigraphic interval has been identified at Mount Alcock within Kwadacha Wilderness Provincial Park.

Copper has been sought in polymetallic massive sulphide deposits as well as in porphyries. The largest new program is that of Craigmont on the Chu Chua deposit near the North Thompson River where the deposit occurs in a cherty alteration zone of the Mississippian Fennell greenstone pillow basalts. It has reserves of about 2 million tonnes of 2 per cent copper plus some zinc-gold-silver. The Kutcho deposit in the northern Omineca is continuing to be explored by Sumitomo Metal Mining Canada Ltd. and Esso Minerals Canada Limited. The only new copper porphyry deposit extensively explored is that of 20th Century Energy Corporation on Gambier Island in Howe Sound near Vancouver.

Uranium exploration was greatly reduced in 1979 with only one major drill program by PNC Exploration Ltd. at Fuki, Donen, and other claims, and six or seven other moderate programs.

GOVERNMENT PROGRAMS TO ENCOURAGE EXPLORATION

In 1979 the Geological Division assumed full responsibility for Regional Geochemical Surveys which were previously conducted jointly under the Federal-Provincial Uranium Reconnaissance Program (URP). Figure E–3 shows that these surveys have covered approximately 20 per cent of British Columbia to date. Silt samples from previous surveys in NTS 82 F, K (Nelson and Lardeau areas), and 104N (Atlin) were further analysed for tin and tungsten, and results were published in September 1979. The results from the 1978 surveys for NTS 103 I, J, O, P (Terrace and Nass River areas) and 104 O, P (Jennings River and Cassiar) were released in June 1979. The Taseko Lakes and Bonaparte River areas (92 O and P) were sampled by the Division in 1979 for release in 1980.

Release of the surveys has had a dramatic impact on staking. After this geochemical release in June and July 1979, for example, 26.8 per cent and 32.3 per cent respectively of all claims staked in the province were in the area covered by the release (NTS 103 I, P; 104 O, P).

MAJOR EXPLORATION ACTIVITY

Sixteen properties were reported as completing programs exceeding 3 000 metres of drilling or 300 metres of underground development. These nonproducing properties defined as conducting major exploration by the above criteria, are listed below:

TROUT LAKE (Newmont Exploration of Canada Limited and Esso Resources Canada Ltd.), 82K/12E – molybdenum in stockwork within a small granodiorite plug intruding argillite, phyllite, siliceous schists, and carbonates, 6 987 metres of diamond drilling in 15 holes and 197 metres of adit development.

ALFY, BEAR (Cominco Ltd.), 82L/4W) – molybdenum in quartz veinlets in a quartz porphyry stock and copper in pyroxenite, 2 683 metres of percussion drilling in 37 holes and 805 metres of diamond drilling in 3 holes.

MAPLE LEAF (Banbury Gold Mines Ltd.), 92H/8E – auriferous sulphides occur in quartz veinlets cementing sheared brecciated Nicola argillite near a diorite intrusion, 3 084 metres of diamond drilling in 8 holes.

KEYSTONE, JULIE, WHAT, MAG (Western Mines Limited), 92H/11E – molybdenum in stockwork in a quartz diorite stock (Tertiary), 3 611 metres of diamond drilling in 3 holes.

OK, ALWIN (Dekalb Mining Corporation), 92I/6E – copper with values in gold and silver along seritized shear zones in Bethsaida granodiorite, 1 464 metres of decline and level development and 1 581 metres of underground drilling.

JERSEY PIT AREA (Bethlehem Copper Corporation), 92I/7W – 7 320 metres of diamond drilling in 27 holes.

RAINBOW (Seadrift Resources Ltd.), 92I/9W – copper in fault zone and tectonic breccia at the contact between Pothook and Sugarloaf phases of the Iron Mask batholith, 3 070 metres of diamond drilling in 10 holes.

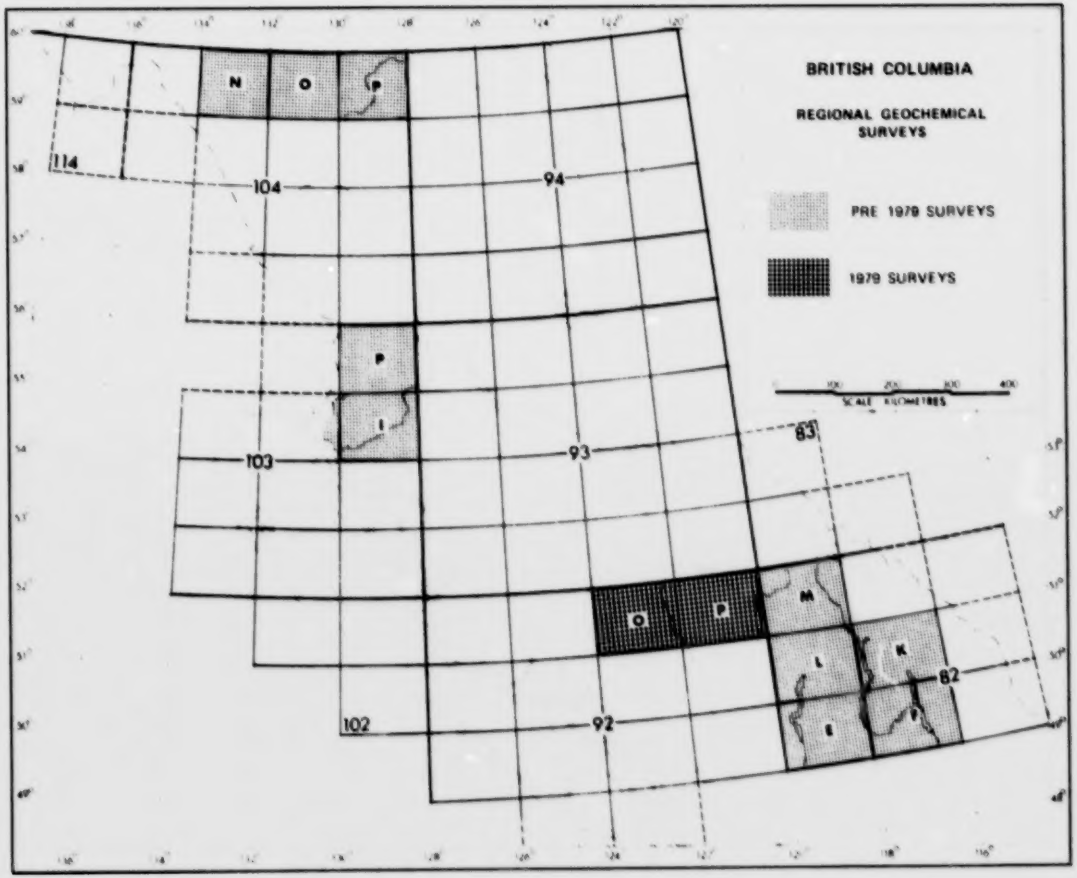
BRITISH COLUMBIA
REGIONAL GEOCHEMICAL SURVEYS
PRE 1979 SURVEYS
1979 SURVEYS
SCALE KILOMETRES
0
100
200
300
400
114
104
94
103
93
83
102
92
82
N
O
P
P
I
O
P
M
L
K
E
F

Figure E-3. Reconnaissance geochemical surveys.

POISON MOUNTAIN (Long Lac Mineral Exploration Ltd.), 92O/2E – copper, molybdenum, gold, and silver in fractures associated with feldspar porphyry intrusive rocks (Tertiary ?) and sedimentary rocks (Jurassic/Cretaceous), 1 235 metres of diamond drilling in 6 holes and 2 023 metres of percussion drilling in 22 holes.

CHU CHUA (Craigmont Mines Limited), 92P/8E – several small massive sulphide deposits associated with impure cherty rocks in altered mafic volcanic rocks, 3 475 metres of diamond drilling in 22 holes.

REDBIRD (Craigmont Mines Limited), 93E/6E – molybdenum and copper in stockwork at the periphery of a quartz monzonite stock (Tertiary), 9 060 metres of diamond drilling in 35 holes.

NED, D (Granges Exploration Aktiebolag), 93F/6 – zinc, lead, silver, and gold in rhyolite, 1 787 metres of diamond drilling in 12 holes and 1 615 metres of percussion drilling in 36 holes.

CHAPPELLE (Du Pont of Canada Exploration Limited), 94E/6E – gold and silver in quartz vein system, 3 500 metres of diamond drilling in 39 holes and 240 metres of underground development.

BABE (Consolidated Cinola Mines Ltd.), 103F/9E – gold in rhyolite and silicified sedimentary rocks cut by the Sandspit fault system, 8 840 metres of diamond drilling in 48 holes.

MORRIS SUMMIT (Scottie Gold Mines Ltd.), 104B/1E – gold in fractured sedimentary and fragmental volcanic rocks, 325 metres of underground development and 855 metres of diamond drilling in 14 holes.

JEFF (Esso Resources Canada Ltd.), 104I/1W – massive sulphide deposits in volcanic rocks, 6 852 metres of diamond drilling in 29 holes.

ADANAC (Placer Development Limited), 104N/11W – molybdenum in fractures and quartz veins in members of the Surprise Lake batholith, 5 775 metres of diamond drilling in 49 holes.

The following properties recorded continued (Stage 1 and/or 2) development with the Metal Mines Steering Committee:

AURUM (Carolin Mines Ltd.) – development of haulage adits, tailings, and environmental studies.

KUTCHO CREEK (Esso Minerals Canada Limited) – access road and environmental studies.

DOLLY VARDEN (Dolly Varden Resources Limited) – tailings disposal study.

ADANAC (Placer Development Limited) – tailings and townsite studies.

VALLEY COPPER (Cominco Ltd.) – this deposit is being reconsidered in light of a possible smelter operation.

GOLDSTREAM (Noranda Exploration Company, Limited) – feasibility studies and production decision.

KITSAULT (Climax Molybdenum Corporation of British Columbia, Limited) – plant and townsite reconstruction studies.

REPORTS ON METALS EXPLORATION

SOUTHEAST BRITISH COLUMBIA
(NTS Division 82 and part of 83)

PENTICTON 82E

MASTADON (Fig. E-1, NTS 82, No. 2)

LOCATION: Lat. 49° 01′ Long. 118° 10′ (82E/1E)
GREENWOOD M.D. Four kilometres southeast of Christina on Mastodon Creek.

CLAIMS: MASTODON (Lot 2384S), MAMMOTH (Lot 2385S), DOMINION (Lot 2386S).

OWNERS: Chromex Nickel Mines Ltd. and Hunter Point Explorations Ltd.

OPERATOR: HUNTER POINT EXPLORATIONS LTD., D, 181 West Broadway, Vancouver.

METAL: Nickel.

WORK DONE: Prospecting.

REFERENCES: Mineral Inventory 82E/SE-91; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 13; Assessment Reports 6457, 6665, 7067.

BURNT BASIN, EVA BELL (Fig. E-1, NTS 82, No. 1)

LOCATION: Lat. 49° 10′ Long. 118° 08′ (82E/1E)
GREENWOOD M.D. Three kilometres south-southwest of the Paulson Bridge on Highway 3, north of Christina Lake.

CLAIMS: Fourteen Crown-granted claims including BURNT BASIN (Lot 1136), EVA BELL (Lot 2031), and AJAX (Lot 1509) plus BP 1 to 3 Fractions, SHIRLEY 1 to 8, GALENA Fraction, HAVANA Fraction, IT 1 to 3 Fractions, IT 5 (2 units), IT 6, JENNIE LIND Fraction, and OLIVER.

OWNERS: Burnt Basin Mines Ltd. and Oliver Resources Ltd.

OPERATOR: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.

METALS: Silver, lead, zinc.

DESCRIPTION: Minor amounts of copper, lead, and zinc sulphides were encountered in the drill holes.

WORK DONE: Surface diamond drilling, 3 BQ holes, totalling 290.78 metres, on Eva Bell and BP 3 Fraction.

REFERENCES: Mineral Inventory 82E/SE-81, 99, 100, 102, 103, 169; *B.C. Ministry of Energy, Mines & Pet Res.*, Exploration in B.C., 1978, p. E 13; Assessment Reports 1920, 7508.

PBE (Fig. E-1, NTS 82, No. 3)

LOCATION: Lat. 49° 06' Long. 118° 27' (82E/1W)
GREENWOOD M.D. Approximately 7 kilometres north of Grand Forks, along the east side of Granby River.

CLAIM: U2 (12 units).

OWNER: CONSOLIDATED BOUNDARY EXPLORATION LTD., Box 1739, Grand Forks.

METALS: Uranium, copper, molybdenum, gold, silver.

DESCRIPTION: The claim area is underlain by crystalline limestones, cherts, and greywacke of the Paleozoic Anarchist Group. Anomalous radioactivity occurs in both the rocks of the Nelson batholith and the sharpstone conglomerate.

WORK DONE: 1978 – stripping; sampling, analysed for uranium; geochemical survey, 103 soil samples analysed for molybdenum and uranium; ground magnetometer survey, 4 kilometres; ground scintillometer survey, 4 kilometres, covering U2.

REFERENCES: Mineral Inventory 82E/SE-138 to 140; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 15; Assessment Reports 6695, 7235.

NO. 7 (Fig. E-1, NTS 82, No. 5)

LOCATION: Lat. 49° 02' Long. 118° 38' (82E/2E)
GREENWOOD M.D. Approximately 4 kilometres east-southeast of Boundary Falls, at Central Camp.

CLAIMS: 7-1 to 7-8, ROB ROY (Lot 1153).

OWNERS: W. E. McArthur (Jr.), M. A. McArthur, and D. N. Moore.

OPERATOR: DAVE MOORE MOTORS LTD., Box 79, Midway.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: A narrow quartz vein strikes just south of east and dips to the north at about between 40 and 43 degrees. The hangingwall is siliceous argillite. The footwall is a serpentine schist but at times a diorite dyke lies between the vein and footwall.

WORK DONE: One trench, 30.5 metres total length, on 7-2.

REFERENCES: Mineral Inventory 82E/SE-43; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 16, E 17.

APRIL (Fig. E-1, NTS 82, No. 10)

LOCATION: Lat. 49° 03' Long. 118° 34' (82E/2E)
GREENWOOD M.D. Eight kilometres west-northwest of Grand Forks, north and south of Skeff Creek.

CLAIMS: APRIL 2 (12 units), APRIL 3 (10 units), MAY (Lot 2217S), TRIPOD (Lot 1463S), FLORENCE (Lot 1187S), WINDFALL (Lot 1210S).

OWNER: BANQWEST RESOURCES LTD., 650, 409 Granville Street, Vancouver V6C 1T2.

METAL: Copper.

WORK DONE: Geochemical survey, 232 soil and 32 rock samples; geological mapping; ground magnetometer survey, covering April 2 and 3.

REFERENCES: Mineral Inventory 82E/SE-208; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 14, E 15; Assessment Reports 2768, 6199, 6636, 7471.

SKOMAC (Fig. E-1, NTS 82, No. 4)

LOCATION: Lat. 45° 3.5′ Long. 118° 42′ (82E/2E)
GREENWOOD M.D. Approximately 4 kilometres south-southwest of Greenwood, 2 kilometres north-northwest of Boundary Falls, on the west side of Boundary Creek.

CLAIMS: MAY MAC (12 units) and Mineral Leases M-430 (Lot 644) and M-423 (Lots 1680, 389, 426, 1019).

OWNER: ROBERT MINES LTD., 4793 Commercial Drive, Vancouver V5N 4G8.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: The deposit is a pinching and swelling quartz vein occupying a shear striking generally northwest and dipping to the northeast. Mineralization consists of pyrite, galena, sphalerite, and argentite.

WORK DONE: Drifting, 10-metre extension of No. 7 level to a total of 160 metres; surveying, completed survey of No. 7 level, on Lot 389.

REFERENCES: Mineral Inventory 82E/SE-172 to 174; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 18; *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1976, pp. 9, 10.

RATTLER, OKUM (Fig. E-1, NTS 82, No. 7)

LOCATION: Lat. 49° 04′ Long. 118° 38′ (82E/2E)
GREENWOOD M.D. Four kilometres south-southeast of Greenwood, on Lind Creek and the south fork of Lind Creek.

CLAIMS: OKUM 1 to 18, RATTLER (Lot 1269).

OWNER: G. O'BRIEN, Box 254, Greenwood.

METALS: (Lead, zinc, copper).

DESCRIPTION: The property is underlain by greenstone, greywacke, limestone, and paragneiss of the Permian (?) Anarchist Group. Mineralization is accompanied by quartz as narrow veins in the metamorphosed sedimentary-volcanic unit.

WORK DONE: Linecutting, 13 kilometres; surface geological mapping; ground electromagnetic survey, 2.7 kilometres; and ground magnetometer survey, covering all claims.

REFERENCES: Mineral Inventory 82E/SE-161; *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 161; Assessment Reports 1232, 4750, 7296.

SKYLARK, LAST CHANCE (Fig. E-1, NTS 82, No. 6)

LOCATION: Lat. 49° 05.5′ Long. 118° 39′ (82E/2E)
GREENWOOD M.D. Three kilometres east of Greenwood on Twin Creek.

CLAIMS: SKYLARK (Lot 763), ARCADIA (Lot 3135), IRON CAP (Lot 1574), TRIUMVIRATE FR. (Lot 1771), SILVER KING (Lot 1097), HOPE NO. 2 (Lot 1849), MEADOW LARK (Lot 1712), DENVER (Lot 764), SIMILAX FR. (Lot 1064), SILVER CLOUD (Lot 1218), SILVER CLOUD FR. (Lot 454S), BILLY FR. (Lot 999), ASTORIA (Lot 3134), LAST CHANCE (Lot 753).

OWNER: H. H. SHEAR, 1000, 789 West Pender Street, Vancouver V6C 1H2.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: Small high-grade quartz veins carry silver, gold, lead, and zinc values in andesitic volcanic rocks belonging to the Anarchist Group.

WORK DONE: Biogeochemical survey for arsenic in fir stems, 6 710 metres covered with 215 samples analysed, covering all claims except Last Chance, Hope No. 2, and Denver.

REFERENCES: Mineral Inventory 82E/SE-4, 11; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, pp. 33, 34; Assessment Reports 542, 1819, 5181.

JEWEL CREEK (Fig. E-1, NTS 82, No. 8)

LOCATION: Lat. 49° 08′ Long. 118° 38′ (82E/2E)
GREENWOOD M.D. Five kilometres north-northeast of Greenwood, on Jewel Creek.

CLAIM: JEWEL CREEK (8 units).

OWNER: ROANOKE EXPLORATIONS LTD., 1236 Haywood Street, West Vancouver.

METAL: (Copper).

DESCRIPTION: The property is underlain by Triassic rocks of the Anarchist Group, which are in geological contact with the Cretaceous Nelson intrusive rocks. The Anarchist rocks are comprised of greenstone, greywacke, limestone, and paragneiss.

WORK DONE: 1978 – linecutting, 13 kilometres; geochemical survey, 331 soil samples; trenching; prospecting.

REFERENCE: Assessment Report 7297.

TOBY (Fig. E-1, NTS 82, No. 9)

LOCATION: Lat. 49° 08′ Long. 118° 39′ (82E/2E)
GREENWOOD M.D. Four kilometres north-northeast of Greenwood, on the west side of Jewel Creek.

CLAIM: TOBY (10 units).

OWNER: FUTURA ENERGY & RESOURCES LTD., 404, 850 West Hastings Street, Vancouver.

DESCRIPTION: The mapped portion of the claim is underlain by a medium-grained granodiorite which is cut in places by a fine-grained volcanic rock, which is most often porphyritic in feldspar. Minor pyrite and pyrrhotite mineralization was observed.

WORK DONE: Surface geological mapping; linecutting, 6 kilometres; ground electromagnetic survey, 6 kilometres.

REFERENCE: Assessment Report 7322.

JADO 5 (Fig. E-1, NTS 82, No. 12)

LOCATION: Lat. 49° 04′ Long. 118° 43′ (82E/2W)
GREENWOOD M.D. Two kilometres east-northeast of the community of Rock Creek, on Nicholson Creek.

CLAIM: JADO 5 (12 units).

OWNER: Wespas Resources Ltd.

OPERATOR: RIVER MOUNTAIN RESOURCES LTD., 1606, 1055 West Georgia Street, Vancouver.

DESCRIPTION: A Tertiary sequence of stratified sedimentary rocks (Kettle River Formation) is overlain by andesites, trachytes, and porphyries of the Eocene Marron Formation.

WORK DONE: Geochemical survey, 71 soil and 14 rock samples analysed for uranium and thorium; geological mapping, 1:2000; ground gamma ray spectrometer survey, covering Jado 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 16; Assessment Reports 6530, 7158.

JADO 4 (Fig. E-1, NTS 82, No. 13)

LOCATION: Lat. 49° 13′ Long. 118° 53′ (82E/2W)
GREENWOOD M.D. Twenty kilometres north-northeast of the community of Rock Creek, 2 kilometres up Fiva Creek from the Kettle River.

CLAIM: JADO 4 (16 units).

OWNER: Wespas Resources Ltd.

OPERATOR: RIVER MOUNTAIN RESOURCES LTD., 1606, 1055 West Georgia Street, Vancouver.

DESCRIPTION: The claim geology consists of a small wedge of Kettle River Formation (Eocene) sedimentary rocks in contact with the Mesozoic Nelson granodiorite to the southeast. The Marron Formation (Eocene ?) surrounds the Kettle River Formation in all other directions.

WORK DONE: Geochemical surveys, 64 soil and 16 rock samples analysed for uranium and thorium; geological mapping, 1:2000; and ground gamma ray spectrometer survey, covering Jado 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 19, E 20; Assessment Reports 6530, 7158.

MAY ALICE (Fig. E-1, NTS 82, No. 11)

LOCATION: Lat. 49° 07′ Long. 118° 45′ (82E/2)
GREENWOOD M.D. Six kilometres west of Greenwood, from Deadwood Creek to south of Motherlode Creek.

CLAIM: DEADWOOD ONE (20 units).

OWNER: J. C. Stephen.

OPERATOR: J. C. STEPHEN EXPLORATIONS LTD., 1124 West 15th Street, North Vancouver V7P 1M9.

METAL: Copper.

DESCRIPTION: The area is underlain by Kettle River Formation arkose, sandstone, and minor tuff. Limestone and conglomerate are exposed in the northwest corner. Marron Formation sodic trachyte forms resistant ridges on the south and east boundary of the claim. No mineralization of any kind was found in place during the survey.

WORK DONE: Prospecting; surface geological mapping, 1:10 000; and geochemical survey, 267 soil samples analysed for gold and arsenic.

REFERENCES: Mineral Inventory 82E/SE-197; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 227.

HOMESTAKE (Fig. E-1, NTS 82, No. 16)

LOCATION: Lat. 49° 05′ Long. 119° 08′ (82E/3E)
GREENWOOD M.D. Five kilometres north of Bridesville and east of the natural gas pipeline.

CLAIMS: HOMESTAKE (Lot 1892), DAISY FR. (Lot 1881), ADMIRAL DEWEY (Lot 1952), MYRTLE (Lot 1654).

OWNER: M. K. LORIMER, 3082 West 27th Avenue, Vancouver.

METAL: Copper.

DESCRIPTION: On the group the principal exposed rocks are greenstones and greywacke. In a band running northerly through these rocks from south of the group, through the Homestake claim and well into the Myrtle claim, numerous old pits and trenches exhibit copper mineralization, usually associated with quartz or calcite veinlets, but also disseminated into the adjoining country rocks.

WORK DONE: Geochemical survey, 105 soil samples, covering Myrtle and Admiral Dewey.

REFERENCES: Mineral Inventory 82E/SW-119; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 23; Assessment Reports 2359, 2748, 5249, 6074, 7538.

VICTORIA, OLD ENGLAND (Fig. E-1, NTS 82, No. 245)

LOCATION: Lat. 49° 07′ Long. 119° 08′ (82E/3E)
GREENWOOD M.D. Eight kilometres north of Bridesville, 3 kilometres due east of Camp McKinney.

CLAIMS: AH (15 units), CH (6 units) and LEMON (Lot 760), OLD ENGLAND (Lot 658), VICTORIA (Lot 218), SNOWDEN (Lot 583).
OWNER: C. Heady.
OPERATOR: OLIVER RESOURCES LTD., Oliver.
METALS: (Gold, silver, zinc, lead).
DESCRIPTION: Sparse sphalerite and galena mineralization occurs in narrow quartz veins that occupy a fault zone crosscutting gently dipping greenstones.
WORK DONE: Prospecting and road clearing, 3 kilometres, covering AH.
REFERENCES: Mineral Inventory 82E/SW-21; *Minister of Mines, B.C.*, Ann. Rept., 1960, p. 62; *Geol. Surv., Canada*, Mem. 179, p. 18; Assessment Report 7636.

MINNIE–HA–HA (Fig. E-1, NTS 82, No. 15)

LOCATION: Lat. 49° 07′ Long. 119° 11′ (82E/3E)
GREENWOOD M.D. Eight kilometres north-northwest of Bridesville, at Camp McKinney.
CLAIMS: MINNIE–HA–HA (Lot 680), TEASER (Lot 951), ALMA (Lot 2660), PANDRE (Lot 2661).
OWNER: V. WILSON, 811, 543 Granville Street, Vancouver V6C 1X8.
WORK DONE: Trenching on all claims; 102.6 cubic metres on Minnie-Ha-Ha; 153.5 cubic metres on Teaser; 158.1 cubic metres on Alma; and 82.1 cubic metres on Pandre.
REFERENCE: *Geol. Surv., Canada*, Mem. 179, p. 17.

R (Fig. E-1, NTS 82, No. 14)

LOCATION: Lat. 49° 15′ Long. 119° 05′ (82E/3E)
GREENWOOD M.D. Twenty kilometres south of Beaverdell, 4 kilometres west of the West Kettle River and south of Nelse Creek.
CLAIMS: R–2 (6 units), R–3 (8 units).
OWNERS: F. B. Whiting and C. A. Whiting.
OPERATOR: WHITING MINING SERVICES INTERNATIONAL LTD., 1035 Greenwood Place, West Vancouver.
DESCRIPTION: A sharp north-trending valley contains pre-glacial silts resting on a regolith of weathered granitic rock. Streams draining this valley are exceptionally high in uranium, suggesting that a buried uranium deposit may occur at some point along the trough.
WORK DONE: Geological studies; geochemical survey, 15 silt samples, covering both claims.

SHELL (Fig. E-1, NTS 82, No. 18)

LOCATION: Lat. 49° 01′ Long. 119° 19′ (82E/3W)
OSOYOOS M.D. Ten kilometres north of Osoyoos and approximately 1 kilometre north of Highway No. 3.

CLAIMS: PY 1 (1 unit), M 1 (1 unit).
OPERATOR: B. FENWICK–WILSON, Baldy Mountain Ski Area, Box 687, Osoyoos V0H 1V0.
METALS: Copper, zinc, gold, silver.
DESCRIPTION: Stratabound sulphides are within Anarchist sedimentary rocks and are on contact with gabbro and intruded by Nelson granite.
WORK DONE: Detailed geological mapping, covering both claims.
REFERENCES: Mineral Inventory 82E/SW-79; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 21; Assessment Reports 2926, 6559.

MEG (Fig. E-1, NTS 82, No. 17)

LOCATION: Lat. 49° 02' Long. 119° 22' (82E/3W)
OSOYOOS M.D. Six kilometres east of Osoyoos on the west slope of Anarchist Mountain, mainly to the north of Highway 3.
CLAIM: MEG (10 units).
OPERATOR: VENTURA EXPLORATIONS LTD., 2020, 1055 West Georgia Street, Vancouver V6E 3P3.
DESCRIPTION: The claim area is underlain by Nelson plutonic rocks of possible Cretaceous age and Anarchist Group sedimentary and metasedimentary rocks of possibly Permian and/or Triassic age.
WORK DONE: Geological mapping, prospecting, and linecutting.
REFERENCES: Assessment Reports 6850, 7351.

LARI (Fig. E-1, NTS 82, No. 20)

LOCATION: Lat. [illegible]° 05' Long. 119° 34' (82E/4E)
OSOYOOS M.D. Eight kilometres northwest of Osoyoos, extending from just past the northern end of Osoyoos Lake westerly past Spotted Lake.
CLAIMS: LARI 3 to 10 (28 units), LARIMOR (4 units).
OWNER: L. F. Morrison.
OPERATORS: L. F. MORRISON, RR 2, Willow Beach, Osoyoos V0H 1V0, and PACIFIC PETROLEUMS LTD., Box 6666, Calgary, Alberta T2P 6T6.
METAL: Tungsten.
WORK DONE: Improvements to access road; trenching, 20 metres; pace and compass survey, 25 kilometres; and gamma ray-neutron survey, 407.3 metres, covering Lari 3, 4, and 6.
REFERENCES: Mineral Inventory 82E/SW-154; Assessment Report 6757.

BLACK DIAMOND (Fig. E-1, NTS 82, No. 19)

LOCATION: Lat. 49° 11' Long. 119° 37' (82E/4E)
OSOYOOS M.D. Four kilometres west of Oliver, south of Burnell (Sawmill) Lake, just north of Reed Creek.
CLAIMS: BLACK DIAMOND (Lot 578S), HOMESTAKE (Lot 649S), MAY QUEEN FR. (Lot 3277S), DALTON FR. (Lot 3278S).

OPERATOR: J. C. TURNER, 811, 543 Granville Street, Vancouver V6C 1X8.
WORK DONE: Trenching, 301 cubic metres, on Black Diamond.

STEMWINDER (FLORA) (Fig. E-1, NTS 82, No. 274)

LOCATION: Lat. 49° 12' Long. 119° 38' (82E/4E)
OSOYOOS M.D. Six kilometres west-northwest of Oliver, 2 kilometres north of Reed Creek.
CLAIMS: STEMWINDER 1 (Lot 3281S), STEMWINDER 2 (Lot 3282S), RICHLAND FR. (Lot 702), RANDOLPH (Lot 731), SHAMROCK (Lot 770), GOLDBUG (Lot 934).
OPERATOR: JUSTEN RESOURCES LTD., 5316 Fleming Street, Vancouver.
METAL: Gold.
WORK DONE: VLF–EM and ground magnetometer surveys and trenching, 187.6 cubic metres, covering all claims.
REFERENCES: Mineral Inventory 82E/SW-7; *Minister of Mines, B.C.*, Ann. Rept., 1934, p. D 13; 1949, p. 41; 1961, p. 62.

POLVO (Fig. E-1, NTS 82, No. 21)

LOCATION: Lat. 49° 13' Long. 119° 35' (82E/4E)
OSOYOOS M.D. Extends 7 kilometres north of and 3 kilometres west of Oliver.
CLAIMS: POLVO (18 units), RKL 1 and 2 (38 units), SYN and SYN 2 (24 units), GUM 1 (20 units), OLI 1 and 2 (23 units).
OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver V6B 1P2.
METAL: Uranium.
DESCRIPTION: The property is underlain mainly by a composite Jurassic pluton. Bedrock uranium mineralization found to date consists of four types: pegmatitic accumulations, uraniferous limestone, uranium-pyrrhotite, and uranium on fracture surfaces adjacent to lineaments.
WORK DONE: Surface geological mapping, 1:4000; surface diamond drilling, 3 EX holes, totalling 51 metres, on Oli 2; geochemical survey, 448 silt samples analysed for uranium, thorium, and lead, covering all claims; overburden drilling, on Syn.
REFERENCES: Mineral Inventory 82E/SW-141; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 22; Assessment Reports 6360, 6704, 6949, 7335, 7398, 7670.

OK (Fig. E-1, NTS 82, No. 24)

LOCATION: Lat. 49° 01' Long. 119° 52' (82E/4W)
OSOYOOS M.D. Thirty kilometres west of Osoyoos on and south of Snowy Mountain and the headwaters of Snehumption Creek.
CLAIMS: OK 1 to 13 (94 units).

OWNER: COMINCO LTD., 7th Floor, 200 Granville Square, Vancouver V6C 1T8.

DESCRIPTION: Molybdenum and tungsten soil anomalies are found in an area underlain by a Cretaceous quartz monzonite batholith intruding Permo-Triassic sedimentary rocks. No showings are known.

WORK DONE: Prospecting; surface geological mapping, 1:10 000; and geochemical survey, 438 soil and 12 silt samples analysed for molybdenum and tungsten, covering all claims.

REFERENCE: Assessment Report 7808.

KING EDWARD (DON, BUCK) (Fig. E-1, NTS 82, No. 22)

LOCATION: Lat. 49° 06′ 30″ Long. 119° 47′ 30″ (82E/4W)
OSOYOOS M.D. Eleven kilometres south of Keremeos, on Hunter Creek.

CLAIMS: DON 1 to 3, BUCK 25, 26.

OWNER: UNITED HEARNE RESOURCES LTD., 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Copper, molybdenum.

DESCRIPTION: The claims straddle the contact between various granitic phases of the Similkameen batholith and older stratified Shoemaker and Old Tom Formations. Chalcopyrite and molybdenite, with minor pyrite, are generally restricted to a single set of fractures.

WORK DONE: Surface geological mapping and prospecting on Don 1.

REFERENCES: Mineral Inventory 82E/SW-3; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 45; Assessment Reports 1578, 7356.

KING EDWARD (SUP, SUSAP) (Fig. E-1, NTS 82, No. 23)

LOCATION: Lat. 49° 06′ Long. 119° 48′ (82E/4W)
SIMILKAMEEN M.D. Eleven kilometres south of Keremeos, extending south from Susap Creek and north to Hunter Creek.

CLAIMS: SUSAP 2 Fraction, SUSAP 3 to 6, BUCK 11 to 26, RON 1 to 19, DON 1 to 3.

OWNER: Cro-Mur Mining and Exploration.

OPERATOR: UNITED HEARNE RESOURCES LTD., 1400, 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Copper, molybdenum.

DESCRIPTION: The property straddles the north contact of the Similkameen batholith with the older cover rocks, the Shoemaker and Old Tom Formations. The copper-molybdenum mineralization appears to be best developed along the contact between a coarse granodiorite phase with an older dark quartz diorite phase.

WORK DONE: Mapping of old trenches on Don 1; surface diamond drilling, 6 NQ holes, totalling 662.62 metres, on Susap 6.

REFERENCES: Mineral Inventory 82E/SW-3; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 45, 46; Assessment Reports 1578, 7535.

ASTRO (Fig. E-1, NTS 82, No. 25)

LOCATION: Lat. 49° 17' Long. 119° 45' (82E/4, 5)
OSOYOOS M.D. From Highway 3A, at a point 3 kilometres northwest of Okanagan Falls, westward to Keremeos Creek, thence southward to Blind Creek, thence eastward to a point 13 kilometres south of Okanagan Falls.

CLAIMS: ASTRO 1 to 46, 48 to 56; ALLIE, MICKI, CAT, MOUSE, IAN, IAN 1 to 3 (approximately 900 units).

OWNER: PETRO–CANADA EXPLORATION INC., Box 2844, Calgary, Alberta T2P 2M7.

DESCRIPTION: Highly radioactive phonolites and rhyolites occur at the base of and within the White Lake Basin. Arkosic grits and sandstones at the base of the volcanic sequence carry uranium/thorium mineralization closely related to coal partings present.

WORK DONE: Linecutting; surface geological mapping, 1:5000; ground magnetometer and radiometric surveys, 189 kilometres; and geochemical survey, 647 soil, 28 rock, and 38 water samples analysed for uranium and thorium, covering all claims; rotary drilling, 13 holes, totalling 2 194 metres, on Ian, Astro 11, 13, 33, 34, 49, 53.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 22; Assessment Reports 6732, 7095, 7751.

OLALLA (Fig. E-1, NTS 82, No. 28)

LOCATION: Lat. 49° 18' Long. 119° 48' (82E/5W)
OSOYOOS M.D. Ten kilometres north of Keremeos and immediately south of Indian Reserve 12A.

CLAIM: OLALLA 1 (20 units).

OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver V6B 1P2.

DESCRIPTION: The western portion of the property is underlain by Tertiary volcanic rocks comprised mainly of phonolites and trachytes. These are underlain by Springbrook Formation basal conglomerate rocks.

WORK DONE: 1978 – prospecting; bulk silt samples (10 kilograms) analysed for uranium.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 24; Assessment Reports 5005, 5871, 6651, 7184.

BUSH RAT (Fig. E-1, NTS 82, No. 27)

LOCATION: Lat. 49° 18' Long. 119° 56' (82E/5W)
OSOYOOS M.D. Fourteen kilometres northwest of Keremeos, at the head of Bradshaw Creek.

CLAIM: BUSH RAT (Lot 1913).

OWNER: E. BUCK, Box 13, RR 1, Keremeos.

DESCRIPTION: Outcrops are numerous and are mostly greenstone, chert, and volcanic rock.

WORK DONE: 1978 – road clearing, 500 metres by 3 metres; prospecting; and geochemical survey, 17 soil samples, covering Bush Rat.

REFERENCE: Assessment Report 7429.

INEZ, GWEN (Fig. E-1, NTS 82, No. 246)

LOCATION: Lat. 49° 18.5' Long. 119° 48' (82E/5W)
OSOYOOS M.D. Eleven kilometres north of Keremeos at the southeast corner of Indian Reserve 12.

CLAIMS: INEZ 1, 2, GWEN 3, 4 (4 units).

OWNER: C. I. Brett.

OPERATORS: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver, and HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED, 440, 1055 West Hastings Street, Vancouver V6E 2E9.

METALS: (Tungsten, copper, molybdenum).

DESCRIPTION: Volcanic and sedimentary rocks of the Shoemaker and Old Tom Formations (Pennsylvanian-Permian) are intruded by quartz monzonite of the Similkameen batholith (Upper Triassic). Scheelite, powellite, molybdenite, and chalcopyrite occur in a skarn zone.

WORK DONE: Surface geological mapping and geochemical survey, 63 soil, 11 rock, and 13 other samples analysed for copper, molybdenum, tungsten, and silver, covering all claims.

REFERENCES: Assessment Reports 5786, 7804.

RENO (Fig. E-1, NTS 82, No. 31)

LOCATION: Lat. 49° 20' Long. 119° 48' (82E/5W)
OSOYOOS M.D. Fifteen kilometres north of Keremeos, extending northwest from Marsel Creek, approximately 2.4 kilometres north of its confluence with Keremeos Creek.

CLAIMS: RENO 1 to 8.

OWNER: A. FALKENSTEIN, Box 4, Keremeos V0X 1N0.

METAL: Molybdenum.

WORK DONE: Stripping by bulldozer on Reno 3, 7, and 8.

REFERENCES: Mineral Inventory 82E/SW-123; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 25; Assessment Reports 5005, 5871.

CLARK (Fig. E-1, NTS 82, No. 30)

LOCATION: Lat. 49° 27' Long. 119° 48' (82E/5W)
OSOYOOS M.D. Fifteen kilometres west-southwest of Penticton, extending north from Allen Grove and along Clark Creek.

CLAIMS: CLARK 1 (15 units), CLARK 2 (20 units), CLARK 3 (20 units), CLARK 4 (12 units), CLARK 5 (4 units), CLARK 6 (12 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claim group is largely underlain by volcanic rocks of the Eocene Marron Formation. These are underlain by Eocene clastic sedimentary and Jurassic intrusive rocks.

WORK DONE: Linecutting, 37.3 kilometres; surface geological mapping, 1:4800; geochemical survey, 1 796 soil samples analysed for uranium, 255 rock chip samples analysed for uranium (66 for thorium); and ground radiometric survey, 3 349 readings, covering all claims.

REFERENCE: Assessment Report 7305.

CLARK (Fig. E-1, NTS 82, No. 29)

LOCATION: Lat. 49° 28' Long. 119° 47' (82E/5W)
OSOYOOS M.D. Thirteen kilometres west-southwest of Penticton, extending south from Brent Lake and covering the south end of Farleigh Creek.

CLAIMS: CLARK 1 (20 units), CLARK 2 (20 units), CLARK 3 (16 units), CLARK 4 (20 units).

OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver V6B 1P2.

DESCRIPTION: The claims are underlain by Tertiary volcanic rocks and Mesozoic granite. There are radioactive grits in paleochannels and radioactive coal seams.

WORK DONE: Surface geological mapping, 1:2500, covering Clark 1-4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 26; Assessment Reports 6657, 7185, 7851.

MAR (Fig. E-1, NTS 82, No. 26)

LOCATION: Lat. 49° 25' Long. 119° 45' (82E/5E)
OSOYOOS M.D. Twelve kilometres southwest of Penticton, between Shatford Creek and Indian Reserve 2.

CLAIMS: MAR 1 (4 units), MAR 2 (20 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: Eocene volcanic rocks of the Marron and Marama Formations underlie the property. Porphyritic vesicular basalt of the Marron Formation unconformably underlies a brittle, aphanitic andesite-dacite flow of the Marama Formation. No mineralization was found.

WORK DONE: Linecutting, 8.9 kilometres; surface geological mapping, 30 kilometres; geochemical survey, 603 soil samples analysed for uranium and 63 rock chip samples analysed for uranium (51 for thorium); and ground radiometric survey, 744 readings over 30 kilometres, covering Mar 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 24; Assessment Report 7775.

WATERLOO (Fig. E-1, NTS 82, No. 89)

LOCATION: Lat. 49° 54' Long. 118° 33' (82E/5E)
VERNON M.D. Thirty-three kilometres west-northwest of Edgewood, on Waterloo Creek, northwest of Lightning Peak.

CLAIMS: GRIZZ 1 to 3 (3 units), WATERLOO (Lot 4815).

OWNER: W. G. BOTEL, 14218 Marc Road, Maple Ridge.

METALS: Silver, (lead, zinc, cadmium).

DESCRIPTION: Locally the geology consists of white, crystalline limestone within metamorphosed volcanic rocks. A mineralized shear zone runs through the limestone.

WORK DONE: 1978 – linecutting, 16.9 kilometres, and ground electromagnetic survey, 16.9 kilometres, covering all claims.

REFERENCES: Mineral Inventory 82E/NE-17, 25 to 27; *Geol. Surv., Canada,* Summary Report, 1930, Pt. 1, pp. 99-103; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, pp. 300, 301; 1974, p. 65; Assessment Reports 817, 1812, 2330, 5200.

SAUNIER (Fig. E-1, NTS 82, No. 36)

LOCATION: Lat. 49° 24' Long. 119° 20' (82E/6W)
GREENWOOD M.D. Seventeen kilometres west-southwest of Beaverdell, 1 kilometre north of Allendale Lake.

CLAIM: SAUNIER 1 (12 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claim is underlain by rocks of the Valhalla intrusive complex. The rock type is a light grey, equigranular granodiorite, fairly homogeneous in character throughout the property. The intrusive rock is not mineralized and exhibits no alteration features.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 354 soil samples analysed for uranium; and linecutting, 1.8 kilometres, covering Saunier 1.

REFERENCE: Assessment Report 7593.

RICHELIEU (Fig. E-1, NTS 82, No. 34)

LOCATION: Lat. 49° 16' Long. 119° 03' (82E/6E)
GREENWOOD M.D. Nineteen kilometres south of Beaverdell, on Nelse Creek.

CLAIMS: RICHELIEU (Lot 942), TERESA FR. (Lot 869S), ENTERPRISE (Lot 1449S).

OWNER: Dayton Creek Silver Mines Ltd.

OPERATOR: G. ALLEN, Box 7284, Station E, Calgary, Alberta T3C 3E2.

METALS: Gold, silver.

DESCRIPTION: Granodiorites of the Nelson batholith are cut by quartz-filled fissure veins. Vein quartz contains values in silver and gold.

WORK DONE: 1978 and 1979 – prospecting; sampling of veins for assay, covering all claims.

REFERENCES: Mineral Inventory 82E/SW-61; *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 154; Assessment Reports 7163, 7478.

KELLY (Fig. E-1, NTS 82, No. 35)

LOCATION: Lat. 49° 18′ Long. 119° 08′ (82E/6E)
GREENWOOD M.D. Fifteen kilometres south-southwest of Beaverdell between Little Goat Creek and Kelly River.

CLAIM: KELLY 1 (20 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claim is underlain by a varied sequence of volcanic rocks which belong to the Eocene Kettle River Formation. These rocks are in turn underlain by the Valhalla intrusive complex, which in the Kelly River area is a medium-grained nonfoliated massive granodiorite. No visible mineralization was detected within the confines of the claim.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 1 068 soil samples analysed for uranium; and linecutting, 2.9 kilometres, covering Kelly 1.

REFERENCE: Assessment Report 7592.

DOMINION (Fig. E-1, NTS 82, No. 32)

LOCATION: Lat. 49° 23′ Long. 119° 03′ (82E/6E)
GREENWOOD M.D. Five kilometres southwest of Beaverdell, on the headwaters of Dominion Creek.

CLAIMS: DOMINION 1 (18 units), DOMINION 2 (20 units), DOMINION 3 (8 units).

OWNER: M. MORRISON, 604, 1445 Pendrell Street, Vancouver V6G 1S3.

DESCRIPTION: The geology of the claims is varied with geological ages ranging from Permian to Eocene. At least three major intrusive phases are present.

WORK DONE: Surface geological mapping and ground scintillometer survey covering Dominion 2 and 3.

REFERENCE: Assessment Report 7453.

DOLLAR (INVO AND ACKWORTH) (Fig. E-1, NTS 82, No. 33)

LOCATION: Lat. 49° 27′ 30″ Long. 119° 07′ 30″ (82E/6E)
GREENWOOD M.D. Four kilometres northwest of Beaverdell, on Cranberry Ridge.

CLAIMS: W 1 (1 unit), W 2 (1 unit).

OWNER: M. MORRISON, 604, 1445 Pendrell Street, Vancouver V6G 1S3.

METALS: Gold, silver, (lead, zinc).

DESCRIPTION: The property is underlain by massive, white granodiorite of the West Kettle batholith. Shear zones carry galena, sphalerite, pyrite, and tetrahedrite in a sericite-quartz gangue associated with native silver, calcite, chlorite, and kaolin.

WORK DONE: Surface geological mapping, 1:2000; 3 samples analysed for gold and silver; linecutting; and ground scintillometer survey, covering both claims.

REFERENCES: Mineral Inventory 82E/SW-59; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 191; Assessment Reports 3740, 7358.

BARNATO (Fig. E-1, NTS 82, No. 40)

LOCATION: Lat. 49° 28′ Long. 118° 53′ (82E/7W)
GREENWOOD M.D. Ten kilometres south-southwest of Christian Valley, at the head of Stewartson Creek.

CLAIMS: SILVER BELL, KAFFIR KING, SILVER DOLLAR, HACKLA, BARNATO, MONETOR, HUNTER, RAMBLER, DENVER, CHAMPION, MAME, BARNATO FR., ANCHOR, YORKSHIRE LASS (Lots 2044, 2646, 2842, 2847, 2848, 2858, 2859, 2861 to 2866, 3024).

OWNER: G. A. Bleiler.

OPERATOR: J. W. MacLEOD, 1220 Arbutus Street, Vancouver V6J 3W6.

METAL: Gold.

DESCRIPTION: Volcanic rocks of the Anarchist or Wallace Groups of Late Paleozoic or Early Mesozoic age underlie the claim group. Most of the exposures on the claims appear to be quartz diorite.

WORK DONE: Trenching, 5 rock trenches approximately 32 metres total length, on Barnato and Hackla.

REFERENCES: Mineral Inventory 82E/SE-69, 109, 110, 157; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 28; Assessment Report 6751.

KEN, LOR (Fig. E-1, NTS 82, No. 39)

LOCATION: Lat. 49° 27′ Long. 118° 49′ (82E/7W, 10W)
GREENWOOD M.D. Forty-eight kilometres northeast of Rock Creek, extending along the Kettle River from Lost Creek in the south to State Creek in the north.

CLAIMS: KEN 1 (20 units), KEN 2 (16 units), KEN 3 (20 units), KEN 4 (12 units), KEN 5 (20 units), KEN 6 (9 units), KEN 7 (18 units), LOR 1 (18 units), LOR 2 (18 units), LOR 3 (18 units), LOR 4 (20 units), LOR 5 (6 units), LOR 6 (6 units), PAT 1 (20 units), TAN 1 (15 units), TAN 2 (15 units).

OWNER: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta T2P 0S2.

DESCRIPTION: Paleozoic Anarchist Group metasedimentary rocks are the oldest rocks exposed within the Kettle River property. This unit is dominant on the west side of the Kettle River and is flooded on the north by a Mesozoic granodiorite (Nelson intrusions) and on the east side of the river by a Mesozoic granite (Valhalla intrusions). The main valley floor has been infilled with Tertiary Kettle River Formation conglomerates, sandstones, shales, and minor volcanic units and covered with Marron Formation andesites, trachytes, and basalts. Locally, a volcanic breccia (believed to be Marron Formation) is exposed.

WORK DONE: 1978 – stream sediment and water samples covering all claims; radon gas scintillometry on Lor and Tan; surface diamond drilling (NQ), 364.6 metres; radiometric drill hole probing; and gamma ray spectrometry on diamond-drill core, on Ken 3.

REFERENCE: Assessment Report 7245.

GREEN (Fig. E-1, NTS 82, No. 37)

LOCATION: Lat 49° 24′ Long. 118° 40′ (82E/7E)
GREENWOOD M.D. Thirty-two kilometres north of Greenwood, east of Terraced Peak and on the southern headwaters of Gable Creek.

CLAIMS: GREEN 1 (15 units), GREEN 2 (15 units), GREEN 3 (15 units), GREEN 4 (20 units).

OWNER: C. Boitard.

OPERATOR: GREEN VALLEY MINE INCORPORATED, 2245 West 13th Avenue, Vancouver V6K 2S4.

WORK DONE: Photogeological interpretation, covering Green 1-3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 27; Assessment Reports 6617, 7154, 7846.

GABLE (Fig. E-1, NTS 82, No. 38)

LOCATION: Lat. 49° 25′ Long. 118° 36′ (82E/7E)
GREENWOOD M.D. Forty-five kilometres north of Grand Forks, on the headwaters and northward of Gable and Little Gable Creeks, 3 to 10 kilometres west of the Granby River.

CLAIMS: GABLE 1 (20 units), GABLE 2 (4 units), GABLE 3 (15 units), GABLE 4 (15 units), GABLE 5 (18 units), GABLE 6 (15 units), GABLE 7 (15 units).

OWNER: THE AGNES & JENNIE MINING CO. LTD., 203, 1209 East Fourth Street, North Vancouver.

DESCRIPTION: The Gable claims are underlain by syenites of the Tertiary Coryell intrusions. The Coryell syenite is typically grey to pink and coarse grained.

WORK DONE: 1978 – ground magnetometer survey, 18 kilometres; and geochemical survey, 410 soil samples analysed for copper, nickel, silver, and uranium, covering Gable 3 to 7.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 27; Assessment Reports 6402, 6703, 7153.

CHINOOK (Fig. E-1, NTS 82, No. 42)

LOCATION: Lat. 49° 25′ Long. 118° 28′ (82E/8W)
GREENWOOD M.D. Twenty-six kilometres west of Renata, between Burns and Burrell Creeks.

CLAIMS: CHINOOK (18 units), SCIROCCO (18 units).

OWNER: CHINOOK CONSTRUCTION & ENGINEERING LTD., 301, 1201 West Pender Street, Vancouver.

WORK DONE: 1978 – geochemical survey, approximately 20 silt samples, covering all claims.

REFERENCE: Assessment Report 7407.

HC (Fig. E-1, NTS 82, No. 44)

LOCATION: Lat. 49° 25′ Long. 118° 23′ (82E/8W)
GREENWOOD M.D. Approximately 42 kilometres north of Grand Forks, on the east side of Burrell Creek, immediately north of Knappen Creek.

CLAIMS: HC 1 (20 units), HC 2 (20 units), HC 3 (20 units), HC 4 (20 units).

OWNER: LONG LAC MINERAL EXPLORATION LTD., 1680, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The major portion of the property is within the Marron volcanic rocks which are of Paleocene or Eocene age. This consists of andesites and sodic trachytes with minor sedimentary rocks (argillite, conglomerate, greywacke, and sandstone). Numerous intrusive bodies (sills and/or dykes) are found throughout. The basement rocks in the area are the Coryell intrusive rocks (Paleocene age), the Nelson intrusive rocks (Cretaceous age), and the Monashee Group (Proterozoic age).

WORK DONE: Surface diamond drilling, 2 BQ holes, totalling 304.8 metres; geochemical survey, 192 soil samples analysed for copper and gold, 33 rock samples analysed for arsenic and silver, covering HC 1 and 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 28, E 29; Assessment Reports 6342, 6583, 6719, 6852, 7357.

MIDAS (DEER PARK) (Fig. E-1, NTS 82, No. 41)

LOCATION: Lat. 49° 20′ Long. 118° 02′ (82E/8E)
TRAIL CREEK M.D. Forty-six kilometres northeast of Grand Forks, on the west slope of Mount Shields, at the headwaters of Shields, Grass, Pup, and Quinn Creeks.

CLAIMS: DEER 1 to 7, 11 to 16, 27, 29, 31, 33 to 36, PARK 5 Fraction, PARK 6, 7, 9, PARK Fraction, TEDDY, CAMEL 1, 26, DEER Fraction, DROM 1, 2, CAS 1, 2, 3, BAR.

OWNERS: B. Botel, C. A. Botel, and H. Veerman.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Molybdenum, tungsten.

DESCRIPTION: Syenitic and granitic intrusive rocks have been intruded by east-west-trending polylithic breccia zones and a northwest-trending swarm of syenite and granite porphyry dykes. Molybdenum is associated with the granite porphyry dykes which are spatially related to the breccia zones.

WORK DONE: Surface geological mapping, 1:2500; grid re-establishment, 23 kilometres; and altimeter survey, 23 kilometres, covering Deer 1, 27, 29, 31, 34, Deer Fraction, Park 5 Fraction, Camel 1, Drom 1, and Bar; geological core logging, 1 294 metres and geochemical core sampling, 64 samples analysed for copper, molybdenum, tungsten, tin, and fluorine, covering Deer 29, 31, Deer Fraction, Camel 1; geochemical surface rock sampling, 34 samples analysed for copper, molybdenum, tin, tungsten, and fluorine, covering Deer 27, 29, Deer Fraction, Deer 31, 33, 34, and Camel 1.

REFERENCES: Mineral Inventory 82E/SE-162; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 59; Assessment Reports 4236, 4867, 5101, 5196, 5197, 7367.

GENIE (Fig. E-1, NTS 82, No. 47)

LOCATION: Lat. 49° 34′ Long. 118° 21′ (82E/9W)
GREENWOOD M.D. Twenty-three kilometres northwest of Renata on the east slope of Mount Franklin.

CLAIMS: GENIE 1 to 6.

OWNER: E. V. McDougall.

OPERATOR: FALCONBRIDGE NICKEL MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.

WORK DONE: 1978 – surface diamond drilling, 2 EX holes, totalling 14 metres, on Genie 1.

REFERENCES: *Geol. Surv., Canada*, Mem. 56; Assessment Report 7395.

WHITE BEAR (Fig. E-1, NTS 82, No. 45)

LOCATION: Lat. 49° 35′ Long. 118° 21′ (82E/9W)
GREENWOOD M.D. Thirteen kilometres west of Lower Arrow Lake, south of Tenderloin Mountain between Gloucester and Burrell Creeks.

CLAIMS: WHITE BEAR (Lot 1025S), TENDERLOIN ONE (4 units), TENDERLOIN TWO (2 units), TENDERLOIN THREE (2 units), TENDERLOIN FOUR (1 unit).

OWNERS: J. C. Stephen and J. T. Shearer.

OPERATOR: J. C. STEPHEN EXPLORATIONS LTD., 1124 West 15th Street, North Vancouver V7P 1M9.

METAL: Gold.

DESCRIPTION: The area is underlain by Paleozoic greenstone which is unconformably overlain by Eocene Kettle River Formation coarse clastic rocks. A Cretaceous granodiorite outcrops on Tenderloin Three and intrudes the greenstone. Later intrusive rocks include monzonite, augite, syenite, and pyroxenite related to a Tertiary volcanic vent on the lower slopes of Tenderloin Mountain. The top of Tenderloin Mountain is capped by trachyte and basaltic tuff. Old workings are confined to pyritic zones in the greenstone on White Bear.

WORK DONE: Surface geological mapping, 1:1000, 1:10 000; geochemical survey, 110 soil, 2 silt, and 12 rock samples analysed for gold and arsenic, covering all claims.

REFERENCES: Mineral Inventory 83E/NE-57; *Minister of Mines, B.C.*, Ann. Rept., 1906, p. 164.

CANE, ART, TAN (Fig. E-1, NTS 82, No. 46)

LOCATION: Lat. 49° 42′ Long. 118° 30′ (82E/9W, 10E, 16W)
GREENWOOD M.D. Twenty-seven kilometres west-southwest of Edgewood, extending along the Granby River from east of Mount Cochrane north to Sally Creek.

CLAIMS: ART 1 to 7, CANE 1 to 12, TAN 1 to 7 (388 units).

OWNER: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta T2P 0S2.

DESCRIPTION: The regional geology of the claims is dominated by the Valhalla intrusions. Relatively small areas of the Kettle River Formation and Phoenix Group rocks have been identified.

WORK DONE: 1978 – geological mapping; geochemical survey, 255 silt samples analysed for uranium, lead, silver, molybdenum, zinc, and copper and 273 water samples analysed for uranium; 1979 – surface geological mapping, 1:15 840, on Cane 1-12 and Art 3-7; geochemical survey, 155 soil, 132 silt, and 4 rock samples analysed for uranium, copper, molybdenum, lead, zinc, and silver covering Art 3-7, and 151 soil and 40 silt samples analysed for uranium, copper, molybdenum, lead, zinc, and silver, covering Cane 9-12; and scintillometer survey covering Cane 9-12.

REFERENCES: Assessment Reports 7246, 7669.

MARIA (Fig. E-1, NTS 82, No. 48)

LOCATION: Lat. 49° 41′ 30″ Long. 118° 38′ (82E/10E)
GREENWOOD M.D. Nineteen kilometres northeast of Christian Valley, on the north side of Arthurs Creek and west of Mount Arthurs.

CLAIM: MARIA (12 units).

OWNER: C. F. Agar.

OPERATOR: MINERAL RESOURCES INTERNATIONAL, 610, 355 Fourth Avenue SW, Calgary, Alberta.

DESCRIPTION: The area is underlain by Cretaceous Valhalla granite and porphyritic granite. Background uranium values in rocks and silts are low.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 12 rock, 17 silt, and 20 water samples analysed for uranium, copper, and lead; ground scintillometer survey.

REFERENCE: Assessment Report 7344.

QUARTZ (Fig. E-1, NTS 82, No. 51)

LOCATION: Lat. 49° 42′ Long. 118° 43′ (82E/10E) GREENWOOD M.D. Eighteen kilometres north-northeast of Christian Valley, on the west side of Rendell Creek.

CLAIMS: QUARTZ (20 units), MARTY 3 (20 units).

OWNERS: Kelvin Energy Limited and K. Daughtry.

OPERATOR: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta T2P 0S2.

DESCRIPTION: The property is underlain by plateau basalt (Miocene or Pliocene) and trachytic feldspar porphyry andesite (Paleocene or Eocene) rocks.

WORK DONE: Surface geological mapping, 1:15 840, covering Quartz; geochemical survey, 238 soil and 7 silt samples analysed for uranium, copper, molybdenum, lead, zinc, and silver, covering Marty 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1978, p. E 29; Assessment Reports 7088, 7765.

DUSTY (Fig. E-1, NTS 82, No. 49)

LOCATION: Lat. 49° 43′ Long. 118° 44′ (82E/10E) GREENWOOD M.D. Twenty kilometres north-northeast of Christian Valley, 2 kilometres west of the confluence of Rendell and Goatskin Creeks.

CLAIMS: DUSTY 1 (8 units), DUSTY 2 (20 units).

OWNER: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

WORK DONE: 1978 – geochemical survey, 20 stream sediment samples analysed for uranium and thorium; 15 water samples analysed for uranium; and 2 rock samples analysed for uranium, lead, radium, and thorium; and geological mapping, 1:25 000, covering all claims.

REFERENCE: Assessment Report 7347.

VAL (Fig. E-1, NTS 82, No. 52)

LOCATION: Lat. 49° 44′ Long. 118° 43′ (82E/10E) GREENWOOD M.D. Twenty-four kilometres north-northeast of Christian Valley on the west side of Rendell Creek.

CLAIM: VAL (20 units).

OWNER: C. Brett.

OPERATOR: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta T2P 0S2.

DESCRIPTION: A plateau basalt capping overlies Valhalla basement rocks, with Tertiary fluvial sedimentary rocks deposited on top of basement rocks.

WORK DONE: 1978 – airborne electromagnetic, airborne magnetometer, and airborne scintillometer survey, 18 kilometres; and geochemical survey, 492 stream sediment samples analysed for uranium, copper, lead, zinc, molybdenum, and silver, covering Val; 1979 – surface diamond drilling, 2 HQ holes totalling 2 264 metres; surface geological mapping, 1:15 840; and road construction, 13 kilometres, covering Val.

REFERENCES: Assessment Reports 7105, 7160.

FUKI (Fig. E-1, NTS 82, No. 59)

LOCATION: Lat. 49° 32′ Long. 118° 52′ (82E/10W)
GREENWOOD M.D. Five kilometres west of Christian Valley, from the headwaters of Dear Creek to the west branch of State Creek.

CLAIMS: FUKI 1 to 40, DONEN 93, 95, 99 to 103, 108, 110, 112.

OWNER: PNC EXPLORATION (CANADA) CO. LTD., 3060, 650 West Georgia Street, Box 11571, Vancouver V6B 4N8.

METAL: Uranium.

DESCRIPTION: Olivine basalt overlies plutonic basement rocks and channel sediments.

WORK DONE: Surface diamond drilling, 6 drill holes, totalling 238.6 metres, on Fuki 3 and 5; surface diamond drilling, 5 holes, totalling 304.8 metres and topographic survey, covering Fuki 3, 5 and Donen 99, 108.

REFERENCES: Mineral Inventory 82E/NE-15; ***B.C. Ministry of Energy, Mines & Pet. Res.***, Exploration in B.C., 1978, pp. E 29, E 30; Assessment Reports 2013, 2484, 3135, 3775, 4630.

KET (Fig. E-1, NTS 82, No. 55)

LOCATION: Lat. 49° 33′ Long. 118° 49′ (82E/10W)
GREENWOOD M.D. The claims cover the settlement of Christian Valley and extend between Barth and State Creeks.

CLAIMS: KET 1 and 2 (20 units each).

OWNER: J. K. Campbell.

OPERATOR: SILVER ACORN DEVELOPMENTS LTD., 1014, 111 Richmond Street West, Toronto, Ontario M5H 2G4.

DESCRIPTION: Basement rocks consist mainly of andesite flows, tuffs, and interbedded sedimentary rocks belonging to the Eocene Marron Formation.

WORK DONE: 1978 – surface geological mapping and ground radiometric survey, covering Ket 1 and 2; surface diamond drilling, 3 NQ holes, totalling 89 metres and radiometric drill hole probing, 3 holes, on Ket 2.

REFERENCE: Assessment Report 7262.

DONEN (Fig. E-1, NTS 82, No. 60)

LOCATION: Lat. 49° 35′ Long. 118° 53′ (82E/10W)
GREENWOOD M.D. Seven kilometres northwest of the settlement of Christian Valley, surrounding Cup Lake.

CLAIMS: DONEN 43 to 46, 61 to 64, 281 to 320.

OWNER: PNC EXPLORATION (CANADA) CO. LTD., 3060, 650 West Georgia Street, Box 11571, Vancouver V6B 4N8.

METAL: Uranium.

DESCRIPTION: Olivine basalt cap rock overlies channel sediments and plutonic basement rocks.

WORK DONE: Surface diamond drilling, 40 drill holes, totalling 3 149.5 metres; surface geological mapping, 1:5000; and topographical mapping and surveying; all on Donen 286, 288 to 295, 302 to 311, 314 to 317, and 319 and 320.

REFERENCES: Mineral Inventory 82E/NE-41; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 30; Assessment Report 4630.

BEVERLY (BLIZZARD) (Fig. E-1, NTS 82, No. 62)

LOCATION: Lat. 49° 36′ Long. 118° 55′ (82E/10W)
GREENWOOD M.D. Eleven kilometres northwest of Christian Valley, at the north end of Joan and Lassie Lakes.

CLAIMS: BLIZZARD (20 units), BEVERLY (18 units), PATRICIA (10 units), MORAIG (15 units), JAN 1, 2, and 3 (1 unit each), SHARON Fraction (1 unit), CARI Fraction (1 unit).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

METAL: Uranium.

DESCRIPTION: The Blizzard deposit is a hydrogenic paleochannel type of uranium deposit. Uranium in the form of autunite and saleeite occurs in loosely consolidated sandstone and mudstone within a paleochannel underlying a Miocene plateau basalt.

WORK DONE: Radon testing on 739 sites and geochemical survey, 389 soil samples analysed for uranium, on Moraig, Blizzard, Beverly, and Patricia; percussion drilling, 86 holes totalling 1 384 metres, on Moraig, Blizzard, Patricia, and Sharon Fraction; surveying on Moraig, Blizzard and Patricia; baseline environmental studies.

REFERENCES: Mineral Inventory 82E/NE-46; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 31; Assessment Reports 6167, 6168, 6640, 7131, 7822.

SAND (BIG FOOT) (Fig. E-1, NTS 82, No. 61)

LOCATION: Lat. 49° 37′ Long. 118° 49′ (82E/10W)
GREENWOOD M.D. Eight kilometres north of Christian Valley, at the junction of Copperkettle and Sandrift Creeks.

CLAIM: BIG FOOT (20 units).

OPERATOR: VERONEX RESOURCES LTD., 250, 625 Howe Street, Vancouver V6C 2T6.

DESCRIPTION: Mineralization occurs in basal conglomerate sandstone layer of the plateau basalt group of rocks and exposed at surface in only a few locations. These sedimentary rocks lie unconformably over the older rocks of the Coryell batholith, Valhalla, and Phoenix Formations.

WORK DONE: Surface geological mapping; 6 trenches, 110 metres total length.

REFERENCE: Mineral Inventory 83E/NE-40.

TAR 6, 7 (Fig. E-1, NTS 82, No. 254)

LOCATION: Lat. 49° 37' Long. 118° 59' (82E/10W)
GREENWOOD M.D. Fourteen kilometres west-northwest of Christian Valley, on Trapping Creek, west of Joan Lake.

CLAIMS: TAR 6 (20 units), TAR 7 (8 units).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: The property is underlain by olivine basalt and Valhalla granitic intrusive rocks.

WORK DONE: Petrography; radon gas scintillometer survey, and geochemical survey, 104 soil samples analysed for uranium, covering both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 32 (Tar, Bee); Assessment Reports 7042, 7766.

COP (Fig. E-1, NTS 82, No. 56)

LOCATION: Lat. 49° 38' Long. 118° 53' (82E/10W)
GREENWOOD M.D. Eleven kilometres north-northwest of Christian Valley immediately northwest of Sandrift Lake.

CLAIMS: COP 1 and 2 (5 units each).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: The area covered by the claims contains extensive areas of overburden resulting in little outcrop. Valhalla granodiorite is the most prevalent rock type on the property, cut by many porphyritic Coryell dyke rocks. No anomalous radioactivity was noted.

WORK DONE: Percussion drilling, 9 holes, totalling 107 metres and ground gamma ray spectrometry on cuttings, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 32 (Beaver); Assessment Report 7383.

SHORE, LAKE (Fig. E-1, NTS 82, No. 57)

LOCATION: Lat. 49° 38' Long. 118° 56' (82E/10W)
GREENWOOD M.D. Fourteen kilometres northwest of the settlement of Christian Valley, along Trapping Creek.

CLAIMS: LAKE (20 units), SHORE (15 units).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: These Lake and Shore claims are underlain by the Cretaceous (?) Valhalla intrusive complex. A porphyritic biotite granite-granodiorite is the most abundant rock type.

WORK DONE: Percussion drilling, 8 holes, totalling 108 metres, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 32; Assessment Reports 6749, 7251.

UKET, LASSIE, CANBE (Fig. E-1, NTS 82, No. 53)

LOCATION: Lat. 49° 40′ Long. 118° 52′ (82E/10W)
GREENWOOD M.D. Fourteen kilometres north of the community of Christian Valley, extending from Sandrift Creek northward along Copperkettle Creek and northwestward to Trapping Creek.

CLAIMS: UKET 1 (20 units), UKET 2 (20 units), UKET 3 (12 units), UKET 4 (12 units), LASSIE 100 (20 units), CANBE 1 (12 units), CANBE 2 (12 units), CANBE 3 (20 units), CANBE 4 (20 units), CANBE 5 (15 units), CANBE 6 (20 units).

OWNER: COMINCO LTD., 7th Floor, 200 Granville Square, Vancouver V6C 1T8.

DESCRIPTION: The property is underlain by Valhalla and Nelson intrusive rocks with minor Phoenix volcanic rocks in places. Heavy recent overburden obscures most of the property, with outcrops present only in road cuts, stream beds, and occasionally on the steeper slopes. Basalt float is present in a number of locations on the Uket claims but no outcrops of basalt were found. There is no known mineralization.

WORK DONE: Percussion drilling, 33 holes, totalling 719.4 metres and VLF–EM survey, 5 kilometres, on Uket 1 to 4; geochemical survey, 84 soil samples analysed for uranium and 84 radon cups covering Uket 1 and Lassie 100; percussion drilling, 5 holes totalling 164.4 metres on Canbe 1 to 3; percussion drilling, 4 holes, totalling 101.3 metres on Lassie 100.

REFERENCES: Assessment Reports 7266, 7341, 7372.

LASSIE (Fig. E-1, NTS 82, No. 127)

LOCATION: Lat. 49° 40′ Long. 118° 53′ (82E/10W)
GREENWOOD M.D. Fourteen kilometres north of Christian Valley, on the east side of Trapping Creek.

CLAIM: LASSIE 100 (20 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

WORK DONE: Percussion drilling, 4 holes, totalling 101.3 metres, and sample cuttings analysed for copper, molybdenum, and uranium.

REFERENCE: Assessment Report 7266.

TAR 3, 4 (Fig. E-1, NTS 82, No. 253)

LOCATION: Lat. 49° 41′ Long. 118° 58′ (82E/10W)
GREENWOOD M.D. Eighteen kilometres northwest of Christian Valley, on the headwaters of the north branch of Trapping Creek.

CLAIMS: TAR 3 (16 units), TAR 4 (9 units).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: The few outcrops on the property consist of Valhalla granodiorite rocks.

WORK DONE: Surface geological mapping, 1:15 840, covering Tar 3; geochemical survey, 20 silt and 20 water samples and 47 soil samples analysed for uranium, covering Tar 3; radon gas scintillometry survey, covering Tar 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 32 (Tar, Bee); Assessment Reports 7042, 7767.

KR (Fig. E-1, NTS 82, No. 247)

LOCATION: Lat. 49° 43′ Long. 118° 46′ (82E/10W)
GREENWOOD M.D. Nineteen kilometres north of Christian Valley, on the Kettle River midway between Damfino and Nevertouch Creeks.

CLAIM: KR (6 units).

OWNER: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta.

DESCRIPTION: The claim is underlain by quartz monzonite intrusive rocks that are capped easterly by columnar plateau basalt rocks. Contact between the two rock units is not exposed.

WORK DONE: Prospecting and 62 soil samples analysed for uranium, copper, molybdenum, lead, zinc, and silver.

REFERENCE: Assessment Report 7628.

BAR (Fig. E-1, NTS 82, No. 58)

LOCATION: Lat. 49° 50′ Long. 118° 50′ (82E/10W)
GREENWOOD M.D. Approximately 3 kilometres southwest of Christian Valley, on the headwater of Dear Creek.

CLAIMS: BAR 1 to 8 (5 units each).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: Kamloops Group volcanic and volcaniclastic rocks underlie a cap of Miocene olivine basalt.

WORK DONE: Percussion drilling, 11 holes, totalling 711 metres, on Bar 1-8; surface geological mapping, 1:15 840, covering Bar 4-8.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 28; Assessment Report 7408.

PAGE (Fig. E-1, NTS 82, No. 54)

LOCATION: Lat. 49° 31′ Long. 118° 57′ (82E/10W, 7W)
GREENWOOD M.D. Ten kilometres southwest of Christian Valley, on Mosher Creek.
CLAIMS: PAGE 1 (20 units), PAGE 3 (18 units).
OWNER: D. Carlson.
OPERATOR: DOMEGO RESOURCES LTD., 208, 372 Bay Street, Toronto, Ontario M5H 2W9.
DESCRIPTION: The over-all proportion of outcrop to total area on these claims is less than 1 per cent. The predominant rock type is a series of acid to intermediate volcanic rocks much of which are fragmental. The specific geology required for Fuki or Blizzard-type uranium mineralization has not been observed on this property.
WORK DONE: 1978 – ground scintillometer survey; prospecting; and surface geological mapping, covering both claims.
REFERENCE: Assessment Report 7317.

TRAP (Fig. E-1, NTS 82, No. 63)

LOCATION: Lat. 49° 40′ Long. 119° 00′ (82E/10W, 11E)
GREENWOOD M.D. Forty kilometres southeast of Kelowna, on the northwest side of Trapping Creek, along Lost Creek.
CLAIMS: TRAP 1 to 5 (20 units each), TRAP 6 and 7 (9 units each).
OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION: Three granitic phases and two probably Late Tertiary volcanic rock types have been identified. Granitic rocks have been divided into Nelson, Valhalla, and Coryell. All appear to be phases of the same major batholith. A few small dykes of very fine-grained purple volcanic rocks were found on Trap 6, similar to Coryell but believed to be genetically related to the plateau basalt.
WORK DONE: Geochemical survey, 150 soil samples analysed for U_3O_8, covering Trap 2; radon gas survey, 20 kilometres, covering Trap 2 and 3.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 32; Assessment Reports 6714, 7263.

JUNE (Fig. E-1, NTS 82, No. 64)

LOCATION: Lat. 49° 41′ Long. 119° 00′ (82E/10W, 11E)
GREENWOOD M.D. Twenty kilometres northwest of Christian Valley and 8 kilometres southwest of Big White Mountain, along the east side of Lost Creek.
CLAIMS: JUNE 1 (6 units), JUNE 2 (16 units).

OWNERS: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5 and NORCEN ENERGY RESOURCES LTD, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: Plateau basalt sedimentary rocks unconformably overlie Cretaceous quartz monzonite.

WORK DONE: Road building, 0.5 kilometre by 4.0 metres wide; linecutting, 19.06 kilometres; percussion drilling, 8 holes, totalling 184.4 metres; radon survey, 198 readings covering 159 hectares; and surface geological mapping, 1:2500 covering 159 hectares, on June 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 33; Assessment Reports 6731, 7253.

CAP, TAR (Fig. E-1, NTS 82, No. 84)

LOCATION: Lat. 49° 42' Long. 119° 00' (82E/10W, 11E)
GREENWOOD M.D. Thirty-seven kilometres southeast of Kelowna, 6 kilometres northeast of Goathide Lake.

CLAIMS: TAR 1 to 17, BEE 1, CAP 1 and 2, SULTAN (approximately 255 units).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

WORK DONE: Radon survey, 210 sites, covering Tar 4, 6, and 7; geochemical survey, 243 soil and silt samples covering Tar 3, 4, 6, 7, and Cap; surface geological mapping and prospecting, 1:10 000, covering Tar 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 33; Assessment Reports 6829, 7424.

SS (Fig. E-1, NTS 82, No. 65)

LOCATION Lat. 49° 44' Long. 119° 00' (82E/10W, 11E, 14E, 15W)
VERNON and GREENWOOD M.D. Approximately 38 kilometres east-southeast of Kelowna, between the West Kettle River and Big White Mountain.

CLAIMS: SS 1 to 9 (154 units).

OWNER: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The principal rocks occurring in the claim block are Proterozoic rocks consisting of gneiss, minor schists, sedimentary and metasedimentary rocks, and Nelson and Valhalla granitic plutonic rocks of Jurassic to Cretaceous age. Other important rock units are Tertiary plateau and olivine basalts and Paleozoic (including Upper Proterozoic and Triassic) basaltic and andesitic lavas, greenstone, and other sedimentary and metasedimentary rocks.

WORK DONE: Prospecting, covering all claims.

JIM, WIN (Fig. E-1, NTS 82, No. 50)

LOCATION: Lat. 49° 50′ Long. 118° 40′ (82E/10, 15)
GREENWOOD and VERNON M.D. Forty kilometres west of Fauquier, extending from north and west of Mount Arthurs northward to Bruer and Woodhouse Creeks.

CLAIMS: MIDWAY 1 to 19, JIM 1 to 13, WIN 1 to 19, SIM 1 to 7, VIC 1 to 10, CH 4, 8, 9, AL 4, 5, LEO 4, 5, 9, 10, REN, REN 1, VAL, QUARTZ (approximately 960 units).

OWNER: KELVIN ENERGY LIMITED, 940, 540 Fifth Avenue SW, Calgary, Alberta T2P 0M2.

METAL: Silver.

DESCRIPTION: Few outcrops on the property consist of andesite and quartz monzonite rocks.

WORK DONE: Geological mapping, 1:15 840; ground scintillometer survey; and geochemical survey, 61 soil and 6 silt samples analysed for uranium, copper, lead, zinc, molybdenum, and silver, covering Ren 1; geochemical surveys, 288 silt, 64 soil, and 7 rock samples, covering Jim 1, 2, CH 8, 9; 8 silt, 160 soil, and 9 rock samples, covering Win 14-16; 33 silt, 340 soil, and 11 rock samples, covering Jim 7-9; 130 silt samples, covering Midway 1-19; 280 soil and 10 rock samples, covering Sim 7 and Jim 13; 21 silt, 75 soil, and 6 rock samples, covering Win 7, 9, 10; 47 silt, 255 soil, and 14 rock samples, covering Sim 1, 2; 492 silt samples, covering CH 4, 8, 9, AL 4, 5, all analysed for uranium, copper, lead, zinc, silver, and nickel; ground scintillometer survey, ground gamma ray spectrometer survey; airborne radiometric survey; airborne electromagnetic survey; and airborne magnetometer survey, covering all claims.

REFERENCES: Mineral Inventory 82E/NE-43; Assessment Reports 7160, 7852.

CARMI MOLYBDENUM (Fig. E-1, NTS 82, No. 66)

LOCATION: Lat. 49° 31′ Long. 119° 11′ (82E/11E)
GREENWOOD M.D. Nine kilometres north-northwest of Beaverdell, at and south of the junction of Saunier and Wilkinson Creeks.

CLAIMS: DOE 1 to 4, MARC 1 to 24, CAPCO 56 to 59, 61 to 63, 68 to 71, 78, 79, IVY 20 to 35, MY 8, 29, 30, CA 1 to 15, MARY O 8, 27 to 33.

OWNERS: Kennco Explorations, (Western) Limited and Vestor Explorations Ltd.

OPERATOR: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue SW, Calgary, Alberta T2P 2K6.

METALS: Molybdenum, (copper, zinc, silver, gold).

DESCRIPTION: Molybdenite is the principal economic mineral on the property occurring as disseminated mineralization within several breccia zones. These zones are enclosed within diorite and quartz diorite of Jurassic to Cretaceous age which are part of the regional Nelson batholith. Molybdenite concentrations are indicative of a low-grade tonnage porphyry-type deposit.

WORK DONE: Surface geological mapping, 1:5000, covering Doe 1-4, Marc 1-16, 18, MY 8, 29, Mary O 8, CA 2-5, 9, 15 and 1:10 000, covering Ivy 20-35, Marc 17-24, MY 30, Capco 56-59, 61-63, 68-71, 78, 79, Mary O 28-30, CA 1, 6-14; magnetometer survey, 15.75 kilometres, covering Marc 2-16, 18, Mary O 8, CA 5, 7, 9, 15; induced polarization survey, 35.4 kilometres, covering Doe 1-4, Marc 1-5, 7, 9, MY 8, 29, Ivy 34, 35; percussion drilling, 64 holes, totalling 6 290 metres, covering Doe 1, 3, 4, Marc 3, 4, 6, 8, 9, 12, CA 2-5; geochemical survey, 403 soil and silt samples analysed for molybdenum, copper, pH, zinc, nickel, silver, cobalt, iron, and manganese and some for uranium and 93 water samples analysed for copper, molybdenum, fluorine, and uranium and some for zinc (regionally extensive).

REFERENCES: Mineral Inventory 82E/NW-36; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 33, E 34; Assessment Reports 5203, 5204, 5430, 5519, 5860, 6023, 6276, 6932, 7413, 7683.

DALE (Fig. E-1, NTS 82, No. 67)

LOCATION: Lat. 49° 36' Long. 119° 12' (82E/11E)
GREENWOOD M.D. Twenty-eight kilometres east-northeast of Penticton between Sterling and Dale Creeks.

CLAIMS: DALE 1 (20 units), DALE 2 (10 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 400 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claim group is underlain by intrusive rocks of Cretaceous age belonging to the Valhalla intrusive complex. The intrusive rocks are light grey, equigranular, medium grained, and homogeneous, and contain no visible mineralization. They are overlain in part by a small basalt cap which occurs in the southwestern portion of the claim group. The basalt is Eocene in age and occurs as an ellipsoidal body measuring 450 metres by 250 metres.

WORK DONE: Surface geological mapping, 1:5000; and geochemical survey, 880 soil samples analysed for uranium, covering Dale 1 and 2; radon gas scintillometry over a limited area.

REFERENCE: Assessment Report 7591.

CONTACT (Fig. E-1, NTS 82, No. 68)

LOCATION: Lat. 49° 44' Long. 119° 04' (82E/11E, 14)
GREENWOOD M.D. Thirty-two kilometres east-southeast of Kelowna on the headwaters of Goathide Creek.

CLAIMS: CONTACT 1 (20 units), CONTACT 2 (18 units).

OWNERS: Suncor Inc. and K. L. Daughtry & Associates Ltd.

OPERATOR: SUNCOR INC., 500 Fourth Avenue SW, Calgary, Alberta T2P 2V5.

DESCRIPTION: The claims straddle a contact between Monashee metamorphic rocks and Valhalla intrusions overlain locally by Eocene volcanic tuffs and andesite flows. No significant uranium anomalies were located as a result of the work program.

WORK DONE: Surface geological mapping, 1:10 000; and magnetometer and scintillometer surveys, 5.7 kilometres, covering Contact 1 and 2; geochemical survey, 133 water, 93 silt, and 263 soil samples analysed for uranium, covering both claims and surrounding area.

REFERENCE: Assessment Report 7528.

OKANAGAN (Fig. E-1, NTS 82, No. 69)

LOCATION: Lat. 49° 31′ Long. 119° 35′ (82E/12E)
OSOYOOS M.D. One kilometre northeast of Penticton, on the east shore of Okanagan Lake.

CLAIM: LAKESHORE (Lot 557).

OWNERS: W. and N. Bonin.

OPERATOR: ASHNOLA MINING CO. LTD., 414 Ellis Street, Penticton V2A 4M2.

METALS: Gold, silver, lead, zinc, cobalt.

WORK DONE: Underground sampling, 10 metres of channel, samples analysed for gold, silver, and lead covering Lakeshore.

REFERENCES: Mineral Inventory 82E/NW-29; *Minister of Mines, B.C.*, Ann. Rept., 1952, pp. 41, 138; 1934, pp. D 33, D 34.

ISINTOK (Fig. E-1, NTS 82, No. 72)

LOCATION: Lat. 49° 35′ Long. 119° 47′ (82E/12W)
OSOYOOS M.D. Five kilometres west-southwest of Summerland, east of Agur Lake.

CLAIMS: ISINTOK 1 (18 units), ISINTOK 2 (4 units), ISINTOK 3 (4 units), ISINTOK 4 (15 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 18 rock, 7 silt, and 14 soil samples analysed for molybdenum.

TOK (Fig. E-1, NTS 82, No. 73)

LOCATION: Lat. 49° 35′ Long. 119° 54′ (82E/12W)
OSOYOOS M.D. Sixteen kilometres west of Summerland, on Isintok Creek and between Bull Creek and the headwaters of Liddell Creek.

CLAIMS: TOK 1 to 4 (20 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: Most of the claims are underlain by Jurassic hornblende biotite quartz diorite and by intrusive K-feldspar porphyries. To the south Eocene volcanic rocks unconformably overlie the Jurassic intrusive rocks.

WORK DONE: Linecutting, 67.3 kilometres; surface geological mapping, covering an area of 19.6 square kilometres; geochemical survey, 1 573 soil and 79 rock chip samples analysed for uranium and 50 rock chip samples analysed for thorium; and ground radiometric survey, 3 118 readings, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 36; Assessment Report 7304.

CHAIN (Fig. E-1, NTS 92, No. 68)

LOCATION: Lat. 49° 40′ Long. 120° 00′ (92H/9E; 82E/12W)
Report on this property in section 92H/9E.

DARK (Fig. E-1, NTS 82, No. 70)

LOCATION: Lat. 49° 41′ Long. 119° 53′ (82E/12W)
OSOYOOS M.D. Eighteen kilometres northwest of Summerland, adjoining the southwest corner of Darke Lake Park.

CLAIMS: DARK 1 to 4 (16 units each), DARK 5 (12 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

METALS: Copper, silver.

DESCRIPTION: The claims are underlain by Valhalla plutonic granite and granodiorite and Nelson plutonic granodiorite and quartz diorite, both of Cretaceous (?) age. Uranium anomalies are found in stream sediments and water.

WORK DONE: Linecutting, 51.8 kilometres; surface geological mapping, 2.6 line kilometres covering an area of 12.5 square kilometres; geochemical surveys, 715 soil and 48 rock chip samples analysed for uranium; 48 rock chip samples analysed for thorium; 1 semiquantitative spectrographic analysis; and ground radiometric survey, 51.8 kilometres, covering all claims.

REFERENCES: Mineral Inventory 82E/NW-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 37; Assessment Reports 1843, 7310.

DEMUTH (Fig. E-1, NTS 82, No. 71)

LOCATION: Lat. 49° 41′ Long. 120° 00′ (82E/12W; 92H/9E)
SIMILKAMEEN M.D. Twenty-five kilometres west-northwest of Summerland, on the southwest side of Trout Creek opposite O'Hagan Creek.

CLAIMS: DEMUTH 1 (20 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claim is underlain by an igneous-metamorphic complex comprising biotite-diorite gneiss intruded by biotite quartz monzonite which has been subjected to subsequent metamorphism and deformation. Aplite and pegmatite dykes intrude all other units.

WORK DONE: Linecutting, 8.7 kilometres; surface geological mapping, covering an area of 4.8 square kilometres; geochemical survey, 429 soil and 36 rock chip samples analysed for uranium and 31 rock chip samples analysed for thorium; and ground radiometric survey, 775 readings, covering Demuth 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 37; Assessment Report 7301.

ENEAS (Fig. E-1, NTS 82, No. 75)

LOCATION: Lat. 49° 40' Long. 119° 46' (82E/12)
OSOYOOS M.D. Nine kilometres northwest of Summerland, on Eneas Creek and southwest of Okanagan Lake Park.

CLAIMS: ENEAS 1 and 2 (15 units each), ENEAS 3 (12 units), ENEAS 4 (18 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by units of diorite, monzonite, and quartz monzonite. They are cut by older post-intrusive faults.

WORK DONE: Linecutting, 17.9 kilometres; surface geological mapping, covering an area of 10.1 square kilometres; geochemical survey, 1 031 soil samples analysed for uranium and 139 rock chip samples analysed for uranium and thorium; and ground radiometric survey, 1 980 readings, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 35; Assessment Report 7308.

MARG (Fig. E-1, NTS 82, No. 272)

LOCATION: Lat. 49° 46' Long. 119° 58' (82E/13W)
OSOYOOS M.D. Sixteen kilometres west of Peachland, 16 kilometres south of Brenda mine, straddling a gravel road between Princeton and Peachland.

CLAIMS: MARG, MARG 2 (10 units each).

OWNER: E. PETERS, 904, 885 Dunsmuir Street, Vancouver.

DESCRIPTION: Outcrops consist of well-altered potassic rocks.

WORK DONE: Prospecting; ground scintillometer survey; and geochemical survey, approximately 70 soil samples analysed for copper and gold, covering both claims.

REFERENCE: Assessment Report 7790.

ALMA MATER, SILVER KING (Fig. E-1, NTS 82, No. 78)

LOCATION: Lat. 49° 47′ Long. 119° 57′ (82E/13W)
OSOYOOS M.D. Centred approximately 15 kilometres west of Peachland, on the headwaters of Greata Creek and covering Glen Lake.

CLAIMS: GREATA III (10 units), GREATA IV (20 units), GREATA V (20 units), GREATA IX (16 units), GREATA X (20 units).

OWNER: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.

METALS: Molybdenum, copper.

DESCRIPTION: The claims follow an easterly trending contact between a granodiorite body to the south and sedimentary rocks of the Nicola Group to the north. Near this contact, the granodiorite has been intruded by several small bodies of monzonite and monzonite porphyry. Within associated quartz veining, minor amounts of molybdenite, copper, and pyrite occur.

WORK DONE: Induced polarization survey, 11.7 kilometres; and surface diamond drilling, 4 NQ holes, totalling 290 metres; all on Greata V.

REFERENCES: Mineral Inventory 82E/NW-17, 18; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 212; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 38; Assessment Reports 718, 1110.

IRON HORSE (Fig. E-1, NTS 82, No. 81)

LOCATION: Lat. 49° 48.5′ Long. 119° 54′ (82E/13W)
OSOYOOS M.D. Ten kilometres west-northwest of Peachland, between Greata and Peachland Creeks.

CLAIM: IRON HORSE (20 units).

OWNER: BRICAN RESOURCES LTD., 2361 Treetop Lane, North Vancouver V7H 2K6.

METALS: Copper, lead, zinc, gold.

WORK DONE: Linecutting, 21 kilometres.

REFERENCES: Mineral Inventory 82E/NW-25; *Minister of Mines, B.C.*, Ann. Rept., 1936, p. D 26.

SIL (Fig. E-1, NTS 82, No. 79)

LOCATION: Lat. 49° 50′ Long. 119° 51′ (82E/13W)
OSOYOOS M.D. Twenty-five kilometres west-southwest of Kelowna, 1 kilometre northwest of Silver Lake.

CLAIM: RHYOLITE (12 units).

OPERATOR: BRICAN RESOURCES LTD., 2361 Treetop Lane, North Vancouver V7H 2K6.

METALS: Copper, zinc, molybdenum.

WORK DONE: Linecutting, 10 kilometres.

REFERENCES: Mineral Inventory 82E/NW-49; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 27, E 28; Assessment Report 5319.

SEC (Fig. E-1, NTS 82, No. 82)

LOCATION: Lat. 49° 52′ Long. 119° 49′ (82E/13W)
OSOYOOS M.D. Twenty-three kilometres west of Kelowna, on the north side of Trepanier Creek and on the southwest slope of Mount Clements.

CLAIM: SEC 1 (12 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claim group is underlain by Eocene Tertiary volcanic rocks and Jurassic granodiorite.

WORK DONE: Linecutting, 13.65 kilometres; surface geological mapping, 1:4800; geochemical surveys, 273 soil and 26 rock chip samples analysed for uranium and 26 rock chip samples analysed for thorium; and ground radiometric survey, 532 readings, covering Sec 1.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in 1978, p. E 38.

JACKPINE (Fig. E-1, NTS 82, No. 77)

LOCATION: Lat. 49° 55′ Long. 119° 49′ (82E/13W)
OSOYOOS and VERNON M.D. Eighteen kilometres west-northwest of Kelowna, surrounding Jackpine and Banana Lakes.

CLAIMS: MAURICE 1 to 4, JACKPINE 1 (20 units), JACKPINE 2 (20 units).

OWNERS: Brenda Mines Ltd. and M. Chaplin.

OPERATOR: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by coarse quartz monzonites of the Pennask batholith. Within the central portion of the property, a series of small quartz veins host weak pyrite and molybdenite mineralization.

WORK DONE: Surface diamond drilling, 3 NQ holes, totalling 362 metres, on Jackpine 1 and 2.

REFERENCES: Mineral Inventory 82E/NW-7; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 39.

COMA (Fig. E-1, NTS 82, No. 80)

LOCATION: Lat. 49° 56′ Long. 119° 51′ (82E/13W)
OSOYOOS M.D. Twenty-seven kilometres west-northwest of Kelowna between Cameo and Lacoma Lakes.

CLAIMS: COMA 1 (4 units), COMA 2 (6 units), COMA (16 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: Biotite schists and highly foliated serpentinite rocks of the Permian Chapperon Complex are intruded by a medium-grained, biotite granodiorite. No visible mineralization is present.

WORK DONE: Geochemical survey, 39 soil and 17 rock samples analysed for uranium, covering Coma 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 39; Assessment Report 7309.

WILDFIRE (Fig. E-1, NTS 82, No. 76)

LOCATION: Lat. 49° 54′ Long. 119° 39′ (82E/13E)
VERNON M.D. Ten kilometres west-northwest of Kelowna, on Carrot Mountain.

CLAIMS: WILDFIRE 1 (9 units), WILDFIRE 2 (9 units), WILDFIRE 3 (1 unit), WILDFIRE 4 (3 units).

OWNER: M. MORRISON, 604, 1445 Pendrell Street, Vancouver V6G 1S3.

DESCRIPTION: The geology of Carrot Mountain is made up of Marron volcanic rocks which have filled a fault-bounded Eocene basin.

WORK DONE: Linecutting, 5.1 kilometres; surface geological mapping, 1:5000; and ground scintillometer survey, covering all claims.

REFERENCE: Assessment Report 7342.

ALFY, BEAR (Fig. E-1, NTS 82, No. 204)

LOCATION: Lat. 50° 01′ Long. 119° 47′ (82L/4W; 82E/13)
Report on this property in 82L/4W.

SCOTT (Fig. E-1, NTS 82, No. 86)

LOCATION: Lat. 49° 55′ Long. 119° 17′ (82E/14W)
VERNON M.D. Sixteen kilometres east-northeast of Kelowna, extending southward from Scotty Creek to the headwaters of Prather Creek.

CLAIMS: SCOTT 1 (8 units), SCOTT 2 (12 units), SCOTT 3 (20 units), SCOTT 4 (15 units), SCOTT 5 (15 units), SCOTT 6 (4 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The most commonly observed rock in the claim group is the Miocene plateau basalt. No mineralization was found.

WORK DONE: Percussion drilling, 4 holes, totalling 210 metres, and road construction, 700 metres, on Scott 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 41; Assessment Report 7287.

BASALT (Fig. E-1, NTS 82, No. 85)

LOCATION: Lat. 49° 48′ Long. 119° 02′ (82E/14E)
GREENWOOD M.D. Thirty-four kilometres east-southeast of Kelowna on the north side of the West Kettle River, 2 kilometres northeast of Campin Creek.

CLAIMS: BASALT 1 (6 units), BASALT 2 (1 unit).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: Generally the main rock type found on the claims is plateau basalt, supposedly of Miocene age. No mineralization was found.

WORK DONE: Rotary drilling, 2 holes, totalling 131.15 metres; geochemical analysis of 28 drill cuttings; and ground magnetometer survey, 11.3 kilometres, covering Basalt 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 42; Assessment Reports 6616, 7261.

JAYNE (Fig. E-1, NTS 82, No. 83)

LOCATION: Lat. 49° 50′ Long. 119° 01′ (82E/14E, 15W)
GREENWOOD and VERNON M.D. Thirty-three kilometres east of Kelowna, extending east from the headwaters of Joe Rich Creek to the West Kettle River.

CLAIMS: COLUMN 1 (20 units), JAYNE 1 (20 units), JAYNE 2 (20 units), JAYNE 3 (20 units), JAYNE 4 (20 units), JAYNE 5 (4 units), JAYNE 6 (20 units).

OWNERS: A. Ablett and S. Trout.

OPERATOR: PETRO–CANADA EXPLORATION INC., Box 2844, Calgary, Alberta T2P 2M7.

DESCRIPTION: A Miocene paleochannel overlain by younger basaltic rocks cuts through basement rocks composed of Monashee Group gneisses and Valhalla quartz monzonites. No radioactive paleochannel was found in the course of drilling.

WORK DONE: Rotary drilling, 8 holes, totalling 337.94 metres, and ground gamma ray spectrometry on all holes, covering Column 1, Jayne 2-4, 6.

REFERENCE: Assessment Report 7247.

DAM (Fig. E-1, NTS 82, No. 94)

LOCATION: Lat. 49° 51′ Long. 118° 50′ (82E/15W)
VERNON M.D. On the north side of Damfino Creek, 8 kilometres northwest of Nevertouch Lake.

CLAIM: DAM (20 units).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: The claims contain a Miocene basalt capping resting unconformably on Valhalla granites.

WORK DONE: Surface geological mapping and percussion drilling, 4 holes, totalling 85.4 metres, on Dam.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 44; Assessment Reports 6709, 7394.

SKIN (Fig. E-1, NTS 82, No. 91)

LOCATION: Lat. 49° 47′ Long. 118° 37′ (82E/15E)
GREENWOOD M.D. Twenty-eight kilometres north-northeast of Christian Valley, between Rendell and Goatskin Creeks.

CLAIMS: SKIN (5 units), SKIN 2 (5 units).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: The claims are along the contact of a Miocene basalt cap overlying Nelson granite and granodiorite.

WORK DONE: Geochemical survey, 10 water and 4 soil samples, and airborne scintillometer survey, covering Skin.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 45; Assessment Reports 6700, 7275.

SC (Fig. E-1, NTS 82, No. 88)

LOCATION: Lat. 49° 48' Long. 118° 44' (82E/15E)
GREENWOOD M.D. Twenty-eight kilometres north of Christian Valley, 2 kilometres northeast of Nevertouch Lake, on Split Creek.

CLAIM: SC 1 (20 units).

OWNER: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta T2P 0S2.

DESCRIPTION: The property is underlain by a massive medium-grained quartz monzonite intrusion. No uranium nor base metal mineralization was observed.

WORK DONE: Surface geological mapping; geochemical survey, 3 silt, 14 rock, and 51 soil samples.

REFERENCE: Assessment Report 7493.

WIN (Fig. E-1, NTS 82, No. 93)

LOCATION: Lat. 49° 50' Long. 118° 35' (82E/15E)
VERNON M.D. Thirty-six kilometres west of Fauquier, 3 kilometres east of Rendell Creek.

CLAIMS: WIN 100 (12 units), WIN 107 (15 units).

OWNER: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta T2P 0S2.

DESCRIPTION: The few outcrops on the property consist of pyritic biotite, quartz monzonite, pegmatite, and diorite dykes, augite porphyry andesite, gabbro, and arkosic sedimentary and conglomerate rocks.

WORK DONE: Ground scintillometer survey; surface geological mapping; geochemical surveys, 33 soil, 14 silt, and 3 rock samples analysed for copper, molybdenum, lead, zinc, uranium, and silver, covering both claims.

REFERENCE: Assessment Report 7701.

JON (Fig. E-1, NTS 82, No. 256)

LOCATION: Lat. 49° 54' Long. 118° 34' (82E/15E)
VERNON M.D. About 60 kilometres southeast of Vernon, on the northwest slope of Lightning Peak.

CLAIM: JON (12 units).

OWNER: LIGHTNING MINERALS INC., 805, 409 Granville Street, Vancouver.

WORK DONE: Ground magnetometer survey and geochemical survey, 237 soil and 6 silt samples analysed for lead and silver, covering Jon.

REFERENCE: Assessment Report 7735.

WIN (Fig. E-1, NTS 82, No. 255)

LOCATION: Lat. 49° 54′ Long. 118° 40′ (82E/15E)
VERNON M.D. Fifty-four kilometres east of Kelowna, on the eastern margin of the Kettle River valley.

CLAIMS: WIN 101 (16 units), WIN 102 (15 units), WIN 103 (15 units), WIN 104 (12 units), WIN 105 (15 units), WIN 106 (10 units).

OWNER: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta.

DESCRIPTION: Outcrops on the property consist of quartz monzonite, monzonite, diorite, andesite dykes, and quartzite.

WORK DONE: Surface geological mapping, 1:15 840; ground radiometric survey; and geochemical survey, 123 soil, 24 silt, and 5 rock samples analysed for uranium, copper, lead, zinc, silver, and molybdenum, covering all claims.

REFERENCE: Assessment Report 7721.

JILL (Fig. E-1, NTS 82, No. 92)

LOCATION: Lat. 49° 55′ Long. 118° 41′ (82E/15E)
VERNON M.D. Forty-two kilometres north of Christian Valley, on the south side of Winnifred Creek, 1 kilometre east of the Kettle River.

CLAIMS: JILL 1 to 4.

OWNER: G. W. MONKS, 5, 477 Van Horne Street, Penticton V2A 4K7.

DESCRIPTION: A quartz vein occurs in an area of monzonite and micaceous schist.

WORK DONE: Excavation, 1 cubic metre, and prospecting, covering Jill 4.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 46.

DICTATOR (Fig. E-1, NTS 82, No. 90)

LOCATION: Lat. 49° 56′ Long. 118° 34′ (82E/15E)
VERNON M.D. Thirty-five kilometres west-northwest of Edgewood, just southwest of the head of Dictator Creek.

CLAIMS: ROB 1 (1 unit), DICTATOR (Lot 4636).

OWNER: W. G. BOTEL, 14218 Marc Road, Maple Ridge.

METALS: Zinc, lead, (gold, silver).

DESCRIPTION: In the claim area the rock consists almost totally of grey, medium-grained Nelson granodiorite. This is cut by late-stage altered porphyry dykes, often accompanied by quartz veining mineralized with pyrite, sphalerite, and galena. The pyrite carries some gold while the galena carries the silver.

WORK DONE: 1978 – linecutting, 9.2 kilometres, and ground electromagnetic survey, 9.2 kilometres, covering Rob 1.

REFERENCES: Mineral Inventory 82E/NE-23; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, pp. 65, 66; Assessment Reports 5200, 7200.

BS (Fig. E-1, NTS 82, No. 87)

LOCATION: Lat. 49° 56′ Long. 118° 42′ (82E/15E) VERNON M.D. Thirteen kilometres west-northwest of Lightning Peak along the Kettle River and Stove Creek.

CLAIMS: SAB 1 (15 units), SAB 2 (15 units), SAB 3 (9 units), SAB 4 (16 units), SAB 5 (18 units).

OWNERS: R. W. YORKE–HARDY, Box 2182, Revelstoke, and S. E. ARNOLD, Box 1070, Hope.

METALS: Silver, gold, lead, zinc, tungsten, (copper).

DESCRIPTION: A large stockwork zone occurring within a coarse-grained porphyritic granite related to either the Nelson or Valhalla intrusions, is characterized by numerable randomly oriented quartz veins and lenses, moderate to extreme brecciation, and minor to moderate K-feldspar, sericite, and kaolinite alteration. Variable amounts of pyrite occurring in the stockwork carry significant silver and gold values. Minor galena, sphalerite, scheelite, and chalcopyrite also occur. Numerous quartz veins extending from the stockwork contain pyrite (with silver and gold), galena (with some silver), sphalerite, and minor chalcopyrite mineralization.

WORK DONE: Four trenches, totalling 170 metres; surface geological mapping, 1:2500; induced polarization survey, approximately 3.5 kilometres; linecutting, approximately 4.5 kilometres; and geochemical survey, 61 rock chip samples analysed for copper, molybdenum, lead, zinc, silver, and tungsten, covering Sab 3 and 5; geological mapping, 1:120 covering Sab 3, and 1:4800 covering Sab 3-5.

REFERENCES: Mineral Inventory 82E/NE-44; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 46; Assessment Reports 4979, 7259.

NELSON 82F

YAHK (Fig. E-1, NTS 82, No. 145)

LOCATION: Lat. 49° 07′ Long. 115° 58′ (82F/1E; 82G/4W) FORT STEELE M.D. Approximately 9 kilometres east of Yahk, extending from Hawkins Creek to Manson Creek.

CLAIMS: MANSON (9 units), RYAN (12 units), HOPE (20 units), TOURM (20 units), YAHK (18 units), COLD (16 units), PINE (8 units), SPRUCE (10 units), ALDER (20 units), MEAD (18 units), MOYIE (3 units), LARCH (20 units).

OWNER: ST. EUGENE MINING CORPORATION LIMITED, 700, 1112 West Pender Street, Vancouver.

DESCRIPTION: The property is underlain by sedimentary rocks, mainly argillite, siltstone, and impure quartzite, of the Purcell Supergroup. No economic mineralization is known on the property.

WORK DONE: Road construction, 2 900 metres on Larch and 400 metres on Yahk; surface geological mapping, 1:2000, covering Tourm; VLF–EM surveys, 12 200 metres covering Manson, 5 200 metres covering Ryan, 9 600 metres covering Yahk, and 36 200 metres covering Larch; magnetometer surveys, 12 200 metres covering Manson, 3 500 metres covering Ryan, 6 600 metres covering Yahk, and 36 200 metres covering Larch; geochemical survey, 168 soil samples analysed for copper, lead, zinc, and silver, covering Yahk.

REFERENCE: Assessment Report 7785.

YAHK (Fig. E-1, NTS 82, No. 248)

LOCATION: Lat. 49° 07′ Long. 116° 04′ (82F/1E)
FORT STEELE M.D. Five kilometres north-northeast of Yahk on the west side of the Moyie River between Christopher and Englishman Creeks.

CLAIMS: YAHK 1 (20 units), YAHK 2 (5 units), YAHK 3 (4 units).

OWNER: KENNCO EXPLORATIONS, (WESTERN) LIMITED, 730, 505 Burrard Street, Vancouver V7X 1M4.

DESCRIPTION: The claims are underlain by grey rusty weathering argillaceous quartzite and argillite of the Aldridge Formation.

WORK DONE: Linecutting, 15 kilometres; geochemical survey, 450 soil and 67 silt samples analysed for lead, zinc, silver, copper, molybdenum, and manganese; and ground electromagnetic survey, covering Yahk 1 and 2.

REFERENCE: Assessment Report 7626.

HAWK (Fig. E-1, NTS 82, No. 95)

LOCATION: Lat. 49° 00′ Long. 116° 26′ (82F/1W)
NELSON M.D. Approximately 10 kilometres south-southeast of Creston, on Huscroft Creek, at the International Boundary.

CLAIMS: HAWK, HAWK 1 and 3.

OWNERS: H.J.H. Yerbury and E.C. Shunter.

OPERATOR: H.J.H. YERBURY, Box 1501, Creston.

METALS: Copper, gold, silver.

DESCRIPTION: Chalcopyrite, malachite, silver, and gold occur in gabbro near the Aldridge Formation.

WORK DONE: Retimbering lower tunnel, 1 525 metres; removing slide rock from No. 2 and No. 3 adits; and rock cribbing No. 7 adit, 266 metres, on Hawk; two open pits, 8 cubic metres each, on Hawk 1 and 3.

REFERENCES: Mineral Inventory 82F/SE-86; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 47.

KID (Fig. E-1, NTS 82, No. 97)

LOCATION: Lat. 49° 12′ Long. 116° 15′ (82F/1W)
NELSON M.D. Seven kilometres northeast of Kitchener, on Peterson Creek.
CLAIMS: BOO 1 and 2 (1 unit each).
OWNER: J. G. McDonald.
OPERATOR: FALCONBRIDGE NICKEL MINES LIMITED, 700, 1112 West Pender Street, Vancouver.
METALS: Lead, zinc, silver.
DESCRIPTION: Interbedded siliceous argillite and fine-grained argillaceous quartzite of the Middle Aldridge Formation underlie the claims.
WORK DONE: 1978 – prospecting, on Boo 2.
REFERENCES: Mineral Inventory 82F/SE-2, 13; Assessment Reports 1069, 1625, 1642, 7481.

PETE (Fig. E-1, NTS 82, No. 96)

LOCATION: Lat. 49° 13′ Long. 116° 16′ (82F/1W)
NELSON M.D. Seven kilometres north-northeast of Kitchener, on the headwaters of Peterson Creek.
CLAIM: PETE (20 units).
OWNER: ST. EUGENE MINING CORPORATION LIMITED, 700, 1112 West Pender Street, Vancouver.
DESCRIPTION: The claim is underlain by sedimentary rocks, mainly argillite, siltstone, and impure quartzite of the Purcell Supergroup.
WORK DONE: Road improvement, 1.7 kilometres; chain and compass survey, 8.5 kilometres; geochemical survey, 179 soil and 6 silt samples analysed for copper, lead, zinc, and silver.
REFERENCE: Assessment Report 7469.

CANADA BELLE (Fig. E-1, NTS 82, No. 99)

LOCATION: Lat. 49° 02′ Long. 116° 55′ (82F/2W)
NELSON M.D. Twenty-nine kilometres west-southwest of Creston, on the west flank of North Star Mountain.
CLAIMS: CANADA BELLE 1 and 2, YS 1 and 2.
OWNERS: E. C. SHUNTER, Box 1051, Creston V9B 1G0, and H.J.H. YERBURY, Lister.
METALS: Silver, lead.
DESCRIPTION: A series of sparsely mineralized quartz veins.
WORK DONE: Open-pit work, 2 pits, 20 cubic metres, one on Canada Belle, and one on YS 1.
REFERENCES: Mineral Inventory 82F/SE-54; *Minister of Mines, B.C.*, Ann. Rept., 1955, p. 54.

GOLDEN KING (Fig. E-1, NTS 82, No. 74)

LOCATION:	Lat. 49° 03′ Long. 116° 57′ (82F/2W) NELSON M.D. Thirty-two kilometres west of Creston, on the south flank of Mount Irene.
CLAIMS:	GOLDEN KING, GOLD KING 2, GOLDEN KING 3.
OWNERS:	E. C. SHUNTER and F. SHUNTER, Box 1501, Creston, and D. E. SHUNTER, 765 Ross Avenue, Penticton.
WORK DONE:	Pit, 15 cubic metres, on Golden King 1.

SHUNTER (Fig. E-1, NTS 82, No. 98)

LOCATION:	Lat. 49° 05′ Long. 116° 56′ (82F/2W) NELSON M.D. Thirty kilometres west of Creston, 1 kilometre northeast of Mount Irene.
CLAIMS:	SHUNTER A, SHUNTER B, SHUNTER C, SHUNTER D.
OWNER:	E. C. SHUNTER, Box 1051, Creston V9B 1G0.
WORK DONE:	Open-pit work, 18 square metres, on Shunter A, C, and D.

UNITED VERDE (Fig. E-1, NTS 82, No. 101)

LOCATION:	Lat. 49° 04′ Long. 117° 13′ (82F/3E) NELSON M.D. Fifteen kilometres south-southeast of Salmo, south of Wilson Creek.
CLAIMS:	MISPICKEL (Lot 14442), SILVER BAR (Lot 14443), SILVER CROWN (Lot 14444), GOLD BAR (Lot 14445).
OWNER:	E. S. PETERS, 904, 885 Dunsmuir Street, Vancouver.
METALS:	Lead, zinc, silver.
DESCRIPTION:	The main zone of interest is associated with quartz veins and stringers in dolomite/argillite and argillite in crushed zones related to a regional thrust fault called the Black Bluff fault.
WORK DONE:	Examination of showings.
REFERENCES:	Mineral Inventory 82F/SW-61; *Minister of Mines, B.C.*, Ann. Rept., 1922, p. 209; Assessment Report 7300.

MUT (Fig. E-1, NTS 82, No. 100)

LOCATION:	Lat. 49° 05′ Long. 117° 13′ (82F/3E) NELSON M.D. Centred 13 kilometres south-southeast of Salmo, extending from Nevada Mountain southwestward to Wilson Creek.
CLAIMS:	MUT 1 (10 units), MUT 2 (10 units), MUT 3 (16 units), MUT 4 (16 units), MUT 5 (16 units), MUT 6 (16 units).
OWNER:	J. M. Mirko.
OPERATOR:	BP MINERALS LIMITED, 1007, 1111 West Hastings Street, Vancouver V6E 3N5.
METALS:	Tungsten, molybdenum.
DESCRIPTION:	Carbonaceous argillite, thinly bedded calcareous argillite, minor quartzite, and siliceous limestone of the Ordovician Active Formation are intruded by the Lost Creek stock (granite and granodiorite) of Early

Cretaceous (?) age. Fine to medium-grained scheelite (powellite) and fine-grained disseminated to massive molybdenite are found in scattered garnet-diopside skarns along the western contact areas of the Lost Creek stock.

WORK DONE: Surface geological mapping, 1:5000 and geochemical survey, 1 175 soil samples analysed for molybdenum, copper, lead, silver, tungsten, fluorine, and pH, covering all claims; electromagnetic survey, 53 kilometres; ground magnetometer survey, 53 kilometres; scintillometer survey; linecutting, 43.4 kilometres; and baseline survey; 3.3 kilometres, covering Mut 3-6.

REFERENCES: Mineral Inventory 82F/SW-280; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 49; Assessment Reports 6667, 7041.

LOS (Fig. E-1, NTS 82, No. 103)

LOCATION: Lat. 49° 06' Long. 117° 08' (82F/3E)
NELSON M.D. Fifteen kilometres southeast of Salmo, on Lost Creek south of Mount Waldie and Weasel Creek.

CLAIMS: LOS 1 (18 units), LOS 2 (16 units), LOS 3 (20 units).

OWNER: J. A. Climie.

OPERATOR: AGIP CANADA LTD., 2700, 700 Second Street SW, Calgary, Alberta T2P 2W2.

DESCRIPTION: The property is underlain by a massive, medium-grained leucogranite stock of the Lower Cretaceous Nelson batholith in contact with a roof pendant of Lower Cambrian quartzite and argillite of the Reno Formation.

WORK DONE: Ground scintillometer survey; 50 silt and 48 water samples collected, covering all claims.

REFERENCE: Assessment Report 7651.

JERSEY, EMERALD, DODGER (Fig. E-1, NTS 82, No. 102)

LOCATION: Lat. 49° 06' Long. 117° 14' (82F/3E)
NELSON M.D. Ten kilometres south-southeast of Salmo, on Iron Mountain.

CLAIMS: Twenty-eight Crown-granted claims including HILLSIDE (Lot 14881) and CALCITE (Lot 14763).

OWNER: Placer Development Limited.

OPERATOR: MENTOR EXPLORATION AND DEVELOPMENT LTD., 300, 365 Bay Street, Toronto, Ontario M5H 2Y1.

METAL: Tungsten.

DESCRIPTION: Scheelite mineralization is associated with a trough structure composed of east-dipping limestone over black argillite intersecting west-dipping granite and plunging to the south.

WORK DONE: Surface diamond drilling, 2 BQ holes, totalling 994 metres, on Hillside (Lot 14881) and Calcite (Lot 14763).

REFERENCES: Mineral Inventory 82F/SW-9 to 11, 234, 247; *Minister of Mines, B.C.*, Ann. Rept. 1959, p. 119; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 442; 1973, pp. 54-57; Bull. 41, pp. 106, 119.

BLACK ROCK (Fig. E-1, NTS 82, No. 104)

LOCATION: Lat. 49° 08' Long. 117° 13' (82F/3E)
NELSON M.D. Seven kilometres southeast of Salmo extending north and south of the confluence of Sheep and Annie Rooney Creeks.

CLAIMS: Twenty-one Crown-granted claims and fractions (Lots 14405 to 14415 and 15455 to 15464) called BLACK ROCK.

OWNER: J. W. MacLeod.

OPERATOR: MENTOR EXPLORATION AND DEVELOPMENT LTD., 300, 365 Bay Street, Toronto M5H 2V1.

METALS: Zinc, lead.

DESCRIPTION: Scattered lenses of disseminated sphalerite are found in dolomite.

WORK DONE: 1978 – geochemical survey, 1 032 soil samples analysed for zinc and lead, and linecutting, 15.34 metres, covering Black Rock 10, 12, 14, 16, and 17; 1979 – four trenches, totalling 350 metres in length, on Black Rock 12.

REFERENCES: Mineral Inventory 82F/SW-6, 7; *Minister of Mines, B.C.*, Ann. Rept., 1953, p. 117; Assessment Report 7215.

DOUBLE B (SITTING BULL) (Fig. E-1, NTS 82, No. 43)

LOCATION: Lat. 49° 09' Long. 117° 10' (82F/3E)
NELSON M.D. Eight kilometres east-southeast of Salmo, on Hedgehog Creek, immediately north of Sheep Creek.

CLAIMS: DOUBLE B, DOUBLE B 2, 3, 5, 6, DOUBLE B Fraction, Mineral Lease M-6 (SITTING BULL, Lot 2690).

OWNER: F. W. CARTWRIGHT, Box 754, Nelson V1L 5R7.

METALS: Lead, zinc, silver, tungsten.

DESCRIPTION: Replacement deposits of zinc, lead, and silver minerals occur in dolomite. Scheelite occurs in skarn and zones of alteration along granite and dolomite contacts.

WORK DONE: Trenching, 40 square metres, on Double B Fraction and Sitting Bull; stripping, 30 square metres, on Sitting Bull; test pitting, 20 square metres, on Double B Fraction.

REFERENCES: Mineral Inventory 82F/SW-263; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 49, E 50.

FREE SILVER, STEWART (Fig. E-1, NTS 82, No. 257)

LOCATION: Lat. 49° 16.5' Long. 117° 17' (82F/3, 6)
NELSON M.D. Centre of claims approximately 9 kilometres north of Salmo, extending west from Ymir and north from Yellowstone Peak.

CLAIMS: STEWART 1 to 13 and HOULTON (Lot 4626), PRINCESS 1 (Lot 4647), MAGGIE (Lot 5144), ROYAL (Lot 5322), FREE SILVER (Lot 2902), RUBY (Lot 2904).

OWNERS: Shell Canada Resources Limited, E. W. Denny, and J. N. Denny.

OPERATOR: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

METALS: Lead, zinc, silver, molybdenum, tungsten.

DESCRIPTION: The property is underlain by sequences of the Elise (Rossland) volcanic series, Hall sedimentary series, and localized intrusive rocks of the Nelson and Coryell plutonic series. Pyrite, pyrrhotite, sphalerite, and galena occur in fissure vein quartz-carbonate gangue. Scheelite occurs in skarn zones, breccia pipe, and quartz stockwork. Molybdenite occurs in quartz stringers.

WORK DONE: Linecutting, 97.3 kilometres; surface geological mapping, 1:5000; geochemical survey, 1 009 soil samples analysed for copper, zinc, silver, molybdenum, and tungsten and 43 silt samples analysed for copper, zinc, silver, tin, tungsten, molybdenum, and fluorine; ground magnetometer survey, 50 kilometres; and ground electromagnetic survey, covering Stewart, 1-4, 7-9, Ruby, Free Silver.

REFERENCES: Mineral Inventory 82F/SW-70, 229, 251, 277; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 55; Assessment Reports 7074, 7722.

GOODEYE (Fig. E-1, NTS 82, No. 270)

LOCATION: Lat. 49° 00′ Long. 117° 44′ (82F/4E)
TRAIL CREEK M.D. Eight kilometres south of Rossland, extending from Nigger Bar Creek to the east side of Grouse Ridge.

CLAIM: GOODEYE (18 units).

OWNER: R. H. MAYES, Box 856, Rossland V0G 1Y0.

METALS: (Gold, silver).

DESCRIPTION: Granitic intrusive rocks cut argillites, shale, and quartzite rocks. Swarms of narrow quartz veins contain minor gold and silver mineralization.

WORK DONE: Prospecting; linecutting, 2.5 kilometres; and trenching, 14.6 metres.

REFERENCE: Assessment Report 7799.

MOTA (Fig. E-1, NTS 82, No. 268)

LOCATION: Lat. 49° 14′ Long. 117° 42′ (82F/4E)
TRAIL CREEK M.D. Fourteen kilometres north of Trail, on the west side of the Columbia River, extending from Genelle to China Creek.

CLAIMS: UR 1 (20 units), ROMA 1 (20 units).

OWNER: R. Carlson.

OPERATOR: MANNY CONSULTANTS LTD., 4550 Harriet Street, Vancouver.

METAL: Uranium.

WORK DONE:	1978 – surface diamond drilling, 8 S-core holes, totalling 65.8 metres, and 7 BQ holes, totalling 71.3 metres, on UR 1.
REFERENCES:	Mineral Inventory 82F/SW-212; Assessment Report 7794.

MALDE (Fig. E-1, NTS 82, No. 269)

LOCATION:	Lat. 49° 00′ Long. 117° 47′ (82F/4W) TRAIL CREEK M.D. Eight kilometres south of Rossland, on the west side of Grouse Ridge and the east side of Malde Creek.
CLAIM:	MALDE (18 units).
OWNER:	R. H. MAYES, Box 856, Rossland V0G 1Y0.
METALS:	Gold, silver.
DESCRIPTION:	The claims are underlain by argillite, argillaceous quartzite, red shale, and conglomerate cut by granitic intrusive rocks. The intrusive rocks contain swarms of narrow quartz veins with silver and gold mineralization.
WORK DONE:	Prospecting; linecutting, 7 kilometres; and trenching, 13.7 metres.
REFERENCE:	Assessment Report 7796.

MAR (Fig. E-1, NTS 82, No. 105)

LOCATION:	Lat. 49° 02′ Long. 117° 54′ (82F/4W) TRAIL CREEK M.D. Seven kilometres southwest of Rossland, on the headwaters of Sophia Creek.
CLAIMS:	CAL (15 units), ROSS (10 units), ROSS 2 (1 unit), LAND 1 to 6 (6 units), SKIN 1 to 4 (4 units), MAR 1 (20 units), MAR 2 to 4 (3 units).
OWNERS:	L. Morrison and A. White.
OPERATOR:	UNITED CANSO OIL & GAS LTD., Box 2544, M.P.O., Calgary, Alberta T2P 2M7.
DESCRIPTION:	Rossland Formation volcanic rocks, mainly andesites, are intruded by serpentinized ultrabasic stocks. The serpentinite and Rossland rocks are intruded by the Coryell pluton. Exploration is being directed at areas where volcanic rocks and serpentinite in close proximity to each other are both intruded by the Coryell.
WORK DONE:	Geochemical survey, 200 fill-in samples; and linecutting, 11 kilometres, covering Mar 1-4, Ross, and Cal.
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 52, E 53; Assessment Report 7162.

GLORY (Fig. E-1, NTS 82, No. 106)

LOCATION:	Lat. 49° 07′ Long. 117° 54′ (82F/4W) TRAIL CREEK M.D. Seven kilometres northwest of Rossland, on the southern slopes of Old Glory Mountain.
CLAIMS:	GLORY (20 units), GLORY A (20 units).
OWNER:	AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta V4K 2T8.

DESCRIPTION: The claims are underlain by Coryell plutonic rocks consisting dominantly of syenite, but with some granite, shonkinite, and apparently related monzonite.

WORK DONE: 1978 – geochemical survey, 318 soil, 35 silt, and 35 water samples analysed for uranium, and reconnaissance ground scintillometer survey, covering Glory and Glory A.

REFERENCE: Assessment Report 7330.

LINDA (Fig. E-1, NTS 82, No. 107)

LOCATION: Lat. 49° 08.5′ Long. 117° 57′ (82F/4W)
TRAIL CREEK M.D. Twelve kilometres northwest of Rossland, midway between Old Glory Mountain and Lamb Creek.

CLAIMS: GAIL (6 units), LINDA (20 units), GLORY (8 units), GLORY 2 (16 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: Granitic to syenitic rocks of the Tertiary Coryell series are the main country rock, with minor pendants of Jurassic Rossland volcanic rocks present at higher elevations. Some effort was devoted to prospecting the Rossland Coryell contact zone, in the hope that there might exist some concentration of mineralization either in the altered Rossland rocks or in the extreme margins of the Coryell stock. No mineralization was found.

WORK DONE: Four hand trenches (2 cubic metres); ground radiometric survey, 15 kilometres; and geochemical survey, 271 soil and 17 rock samples, covering Gail and Linda.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1978, pp. E 53, E 54; Assessment Reports 6715, 7288.

DRUM LUMMON, HATTIE (Fig. E-1, NTS 82, No. 113)

LOCATION: Lat. 49° 16′ Long. 117° 23′ (82F/6W)
Nelson M.D. Eleven kilometres northwest of Salmo on Erie Creek, covering the confluences of Grassy and Craigtown Creeks.

CLAIMS: JUNE 1 to 7 (80 units) and ROSA (Lot 246), BELLE (Lot 2461), FLORENCE (Lot 3237), BULLY BOY (Lot 3238), ROCKFORD (Lot 3435), MAUD S (Lot 3662), BEN HASSEN (Lot 3663), ST. LOUIS (Lot 12176), ARNOLD (Lot 4079), WESTMINISTER FR. (Lot 12184), EDDIE (Lot 12186), LOUISE (Lot 12187), MONTE CARLO (Lot 1066), HOMESTAKE (Lot 3433), DORA (Lot 5152), COPPER KING (Lot 5153), GOOD ENOUGH (Lot 5466), DRUM LUMMON (Lot 5481), GORDON (Lot 12175), NELSON (Lot 12177), ONTARIO (Lot 3659).

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Molybdenum, copper, tungsten.

DESCRIPTION: Hornfelsed rusty brown phyllites have been intruded by a complex dyke swarm. Molybdenite, chalcopyrite, and scheelite occur in fractures and in quartz veins in hornfels and intrusive rocks.

WORK DONE: Surface geological mapping, 1:5000 and 1:2000, and geochemical survey, 500 soil samples analysed for molybdenum, copper, nickel, cobalt, iron, manganese, silver, lead, zinc, and tungsten, covering all claims; surface diamond drilling, 1 NQ hole, 438 metres, and line-cutting, covering June 1 and 2; induced polarization/resistivity survey, 8 kilometres, covering June 1, 2, 7.

REFERENCES: Mineral Inventory 82F/SW-213, 226; *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 158; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 36; Assessment Reports 1603, 6301, 7573.

PORTO RICO (Fig. E-1, NTS 82, No. 112)

LOCATION: Lat. 49° 19′ Long. 117° 19′ (82F/6W)
NELSON M.D. Fourteen kilometres north-northwest of Salmo, at the headwaters of the westerly tributary to Barrett Creek.

CLAIMS: LIZZIE B (Lot 2386), BARBARA (Lot 2387), ALPHA (Lot 2388), SUNSHINE (Lot 2389) .

OWNER: J. MIRKO, 2249 West 34th Avenue, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Sulphide minerals occur in a shear zone cutting augite porphyry andesite.

WORK DONE: Prospecting, covering all claims.

REFERENCES: Mineral Inventory 82F/SW-189; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 63; Assessment Report 7702.

SILVER, CATHERINE (Fig. E-1, NTS 82, No. 114)

LOCATION: Lat. 49° 27′ Long. 117° 16′ (82F/6W)
NELSON M.D. Four kilometres south-southeast of Nelson, on and mostly east of Cottonwood Creek.

CLAIMS: WAR 1 (4 units), WAR 2 (6 units), CAMERON 1 (10 units), CAMERON 2 (16 units), JOHN (2 units), JOHN 1 and 2, and JULIUS CAESAR (Lot 3591), MASCOT (Lot 3588), LIZZIE C (Lot 3587).

OWNER: WARRIOR RESOURCES LTD., 705, 850 West Hastings Street, Vancouver.

METALS: Gold, zinc, lead, silver.

DESCRIPTION: The property lies on a fairly large belt of Hall and Rossland Formation rocks of Early Jurassic age. These formations are, respectively, of sedimentary and volcanic origin.

WORK DONE: 1978 – surface geological mapping, covering John claims; 1979 – geochemical survey, 318 soil samples analysed for lead, zinc, and gold, covering War 2, Mascot, Julius Caesar.

REFERENCES: Mineral Inventory 82F/SW-208, 209, 230, 231; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 404; Exploration in B.C., 1975, p. E 34; Assessment Reports 3091, 7377, 7393.

PORCUPINE, NEVADA (Fig. E-1, NTS 82, No. 110)

LOCATION: Lat. 49° 15.5′ Long. 117° 11′ (82F/6E)
NELSON M.D. Four kilometres southeast of Ymir, south of Porcupine Creek.

CLAIMS: BLUE QUARTZ (Lot 7072), ROVER (Lot 7073), BQ 1 to 4, PORCUPINE (Lot 4634), CHAMPAGNE (Lot 5131), FRANKLIN (Lot 4635), GEORGINA, NEVADA, IMPERIAL, EMERALD, SUNRISE, VICTOR, SANDAULPHOA.

OWNER: C. F. Graham and D. R. Cochrane.

OPERATOR: YMIR GOLD MINES LTD., 4882 Delta Street, Delta V4K 2T8.

METALS: Gold, silver, lead, zinc, (tin).

DESCRIPTION: The claim group is underlain by Ymir Group metasedimentary rocks intruded by dykes and sills of Nelson granodiorite. Mineralization consists of pyrite, galena, and sphalerite with associated gold values lying within silicified zones.

WORK DONE: Geochemical reconnaissance, several line, 2 kilometres, covering BQ 1-4, Blue Quartz; geochemical survey, 26 soil samples analysed for gold, silver, lead, and zinc, covering Blue Quartz, Rover, BQ 1-4.

REFERENCES: Mineral Inventory 82F/SW-63, 64; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 56; *Minister of Mines, B.C.*, Ann. Rept., 1937, p. E 50; 1938, p. E 42; Assessment Reports 6140, 6993.

TAMARAC (Fig. E-1, NTS 82, No. 109)

LOCATION: Lat. 49° 19′ Long. 117° 12′ (82F/6E)
NELSON M.D. Four kilometres north of Ymir, 1 kilometre east of the confluence of Elise Creek and Salmo River.

CLAIMS: TAMARAC (Lot 3802), PHAROAH FR. (Lot 15180), RACATAM (Lot 3803), KING SOLOMON FR. (Lot 12269), RAINBOW FR. (Lot 12267), EVANGELINE (Lot 12271), QUEEN OF SHEBA FR. (Lot 15181), DINNER BUCKET (Lot 3806).

OWNER: GREENWOOD EXPLORATIONS LTD., 30 East Sixth Avenue, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: The country rock is Jurassic spotted granite porphyry most likely of the Rossland Formation. Pyrite, arsenopyrite, gold, and quartz veins cut feldspar porphyry and to a lesser extent cut augite porphyry.

WORK DONE: Surface geological mapping, 1:2000; trenching with backhoe; geochemical survey, soil samples analysed for gold, arsenic, manganese, and zinc, covering Tamarac.

REFERENCES: Mineral Inventory 82F/SW-72; *Minister of Mines, B.C.*, Ann. Rept., 1959, pp. A 48 61.

YMIR GOOD HOPE (Fig. E-1, NTS 82, No. 108)

LOCATION: Lat. 49° 20′ Long. 117° 10′ (82F/6E)
NELSON M.D. Seven kilometres northeast of Ymir, on Huckleberry Creek.

CLAIMS: DUFFERIN (Lot 3731), BERESFORD (Lot 3730), CARTHAGE (Lot 2197), PAT (Lot 2198), RAY FR. (Lot 15064), X–RAY (Lot 4213), RAY (Lot 15057), WILD HORSE (Lot 4212), GOLDEN CALF (Lot 15667), ORONOCO (Lot 5572), SJM (Lot 5573), JOPLIN (Lot 5571), MAUDE FR. (Lot 16023), RAMSEY (Lot 4211), INKERMAN (Lot 2163), GIBRALTER (Lot 2164).

OWNERS: C. F. Graham, I. Urquhart, and D. R. Cochrane.

OPERATOR: YMIR GOLD MINES LTD., 4882 Delta Street, Delta V4K 2T8.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The group lies within Ymir Group metasedimentary rocks, but close to the contact with a tongue of Nelson plutonic rocks. The vast majority of the bedrock is obscured by overburden and bedrock exposures are essentially restricted to old workings.

WORK DONE: Five old adits examined and 6 rock samples collected and analysed for gold, silver, lead, and zinc, covering X–Ray and Wild Horse; road rehabilitation, 4.8 kilometres, covering all claims; road construction, 1.1 kilometres, covering Ray, Ray Fr., and Carthage.

REFERENCES: Mineral Inventory 82F/SW-75; *Minister of Mines, B.C.*, Ann. Rept., 1917, pp. 168, 169; *Geol. Surv., Canada*, 1936, Mem. 191, pp. 37, 38; Assessment Report 7490.

BOBBI (Fig. E-1, NTS 82, No. 111)

LOCATION: Lat. 49° 18′ Long. 117° 15′ (82F/6)
NELSON M.D. Eleven kilometres north of Salmo, on Stewart Creek.

CLAIMS: KIM (6 units), MURIEL (4 units), BETTY (3 units), BOBBI (6 units).

OWNER: S. W. Barclay.

OPERATOR: ASAMERA OIL CORPORATION LTD., 1500, 335 Eighth Avenue SW, Calgary, Alberta T2P 1C9.

METALS: Molybdenum, uranium.

WORK DONE: Geochemical survey, 337 soil and 52 rock samples covering Kim and Bobbi.

REFERENCES: Mineral Inventory 82F/SW-250; Assessment Reports 6654, 7656.

OSPREY (Fig. E-1, NTS 82, No. 115)

LOCATION: Lat. 49° 17′ Long. 116° 36′ (82F/7E)
NELSON M.D. Eleven kilometres north-northwest of Wynndel, immediately north of the headwaters of Jack Creek.

CLAIMS: OSPREY 1 and 2.

OWNER: R. P. CHERBO, Box 244, Nelson V1L 5P9.

METALS:	Lead, zinc, gold, silver, copper.
WORK DONE:	Road clearing, 4 kilometres and marking trail, 2 kilometres; underground cut into vein for samples, 1 metre by 0.5 metre by 0.5 metre covering Osprey 1.
REFERENCE:	*B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 57.

MARY (Fig. E-1, NTS 82, No. 263)

LOCATION:	Lat. 49° 19' Long. 116° 40' (82F/7E) NELSON M.D. Twenty-seven kilometres north-northwest of Creston, covering Jansen Creek.
CLAIMS:	MOHAWK (2 units), MARIA (1 unit), ST. JUDE (1 unit), MARY (7 units).
OWNER:	J. Eimer.
OPERATOR:	E. FRANCIS, 279 Harper Street, Kamloops V2C 4Z3.
DESCRIPTION:	The claims are underlain by weakly altered granite-granodiorite and a narrow band of gneiss and schist (Purcell roof pendant). Sparse galena, pyrite, sphalerite, chalcopyrite, and malachite mineralization occurs in several quartz veins.
WORK DONE:	Surface geological mapping, 1:5000, covering all claims, and 1:200, covering two quartz veins.
REFERENCE:	Assessment Report 7845.

RICE, HOMESTAKE (Fig. E-1, NTS 82, No. 258)

LOCATION:	Lat. 49° 30' Long. 116° 04' (82F/8E, 9E) FORT STEELE M.D. Eighteen kilometres west of Cranbrook, on Perry Creek in the Moyie Range of the Purcell Mountains.
CLAIMS:	AZLIN (6 units), GOLD (10 units), BIRDIE LOAD, JANET (1 unit each), JANET 1, GOLDEN WOLFE, TANIS (4 units each), PETER ROCK (9 units), LONE EAGLE, QUARTZ CREEK (1 unit each), JOHN (4 units), MARK (6 units), LUKE (9 units), ECLIPSE, ANNA, STANDARD, AGNES, PIONEER, OYSTER, EVENING STAR (1 unit each), PETRA 9 to 15 (7 units), ANGUS 100, ANGUS 200 (6 units each), ANGUS 300 (15 units), CAROL 1 to 8 (8 units), LINDA 1 to 8 (8 units).
OWNER:	Meridian Resources Ltd.
OPERATOR:	GALLANT GOLD MINES LTD., 706, 675 West Hastings Street, Vancouver.
METALS:	Gold, copper, lead, zinc, tungsten.
DESCRIPTION:	The claim areas mapped are characterized by greenish phyllonites, altered andesites, and quartzites. Pyritic quartz veins and stringers occur within the outcrops.
WORK DONE:	Ground electromagnetic survey; geochemical survey, 32 rock and 589 soil samples analysed for silver and gold, covering Angus 200, Quartz Creek, Peter Rock, Azlin.

REFERENCES: Mineral Inventory 82F/NE-55 to 57, 117; 82F/SE-12; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 57; Assessment Reports 7103, 7723.

PITT (Fig. E-1, NTS 82, No. 116)

LOCATION: Lat. 49° 36′ Long. 116° 02′ (82F/9E)
FORT STEELE M.D. Approximately 10 kilometres south of Kimberley, stretching southwesterly along Pitt Creek to the headwaters of Pudding Burn Creek.

CLAIMS: PITT 1 to 8, 10 to 12 (92 units).

OWNER: COMINCO LTD., 2450 Cranbrook Street, Cranbrook V1C 3T4.

METALS: (Lead, zinc).

DESCRIPTION: The Pitt claims are underlain by a wide variety of Precambrian clastic rocks belonging to the Aldridge Formation, Moyie intrusions, Creston Formation, and Kitchener Formation. Minor galena, sphalerite, and pyrite are known in quartz veins associated with the Moyie intrusions. The structural geology of the property is exceedingly complex and this probably is a result of its proximity to the St. Mary fault.

WORK DONE: Surface geological mapping, 1:24 000, covering Pitt 1-8, 11 and 12.

REFERENCES: Mineral Inventory 82F/NE-54, 101; *Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 58; Assessment Reports 99, 471, 3250, 5634.

SULLIVAN MINE (Fig. E-1, NTS 82, No. 117)

LOCATION: Lat. 49° 42′ Long. 116° 00′ (82F/9E, 82G/12W)
FORT STEELE M.D. The mine is located within the city limits of Kimberley.

CLAIMS: Approximately 1 500 Crown-granted and located claims.

OWNER: COMINCO LTD., Box 2000, Kimberley V1A 2G3

METALS: Lead, zinc, iron, silver, tin.

DESCRIPTION: A stratabound iron-lead-zinc sulphide lens occurs toward the top of the lower division of the Middle Proterozoic Aldridge Formation. The Aldridge Formation is a very fine-grained to fine-grained clastic sequence of quartzites, siliceous siltstones, and argillites. Significant portions were deposited by turbidity currents, below wave base.

WORK DONE: 1978 – surface diamond drilling, 300 metres, on Old Baldy, 554 metres on Angus, 325 metres on Ward, 1 596 metres on Timid, 513 metres on Fal 5, and 776 metres on Stoney Fraction.

REFERENCES: Mineral Inventory 82G/NE-52, 53; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 58, E 59; Assessment Reports 6656, 6660, 6661, 6785, 6786, 6970, 7020, 7428, 7460, 7461, 7181, 7182, 7548.

CLAIR (Fig. E-1, NTS 82, No. 118)

LOCATION: Lat. 49° 32′ Long. 116° 15′ (82F/9)
FORT STEELE M.D. Twenty kilometres southwest of Kimberley, on the St. Mary River west of St. Mary Lake.

CLAIMS: CLAIR 1, 3, 4, and 5 (65 units).

OWNER: COMINCO LTD., 2450 Cranbrook Street, Cranbrook V1C 3T4.

DESCRIPTION: The property is underlain by fine-grained siliciclastic rocks of the Helikian Aldridge Formation. No significant quantities of ore minerals were located.

WORK DONE: Surface diamond drilling, 370 metres, on all claims; surface geological mapping and geochemical survey, 368 soil samples, covering Clair 3-5.

REFERENCES: Mineral Inventory 82F/NE-63; *Minister of Mines, B.C.*, Ann. Rept., 1925, p. 230 (Dominion); Assessment Reports 7681, 7676.

DAVE, SANDY (Fig. E-1, NTS 82, No. 125)

LOCATION: Lat. 49° 32′ Long. 116° 40′ (82F/10E)
NELSON M.D. Twenty-three kilometres southeast of Kootenay Bay, between La France and Lockhart Creeks.

CLAIMS: SANDY 1, DAVE 1 (4 units), DAVE 2 (6 units), DAVE 3 (4 units), DAVE 4 (6 units), DAVE 5 (6 units).

OWNER: D. WIKLUND, Box 81, Boswell V0B 1A0.

METALS: Silver, lead, zinc, barite.

DESCRIPTION: The claims are located along the erosional edge of the Dutch Creek (Late Precambrian) Formation, where it is in contact with the younger Toby conglomerate. The sedimentary rocks include quartzite, limestone, brecciated limestone, argillite, and conglomerate. High lead and zinc geochemical anomolies are located in the limestone and brecciated limestone. Silver-lead-zinc sulphides and barite are also found in these sedimentary rocks.

WORK DONE: Surface diamond drilling, 8 holes, totalling 235 metres, on Sandy 1.

REFERENCES: Mineral Inventory 82F/NE-138; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 59, E 60; Assessment Reports 5632, 6231, 6901, 7402.

CHICAGO, SNOW KING (Fig. E-1, NTS 82, No. 120)

LOCATION: Lat. 49° 34′ Long. 116° 39′ (82F/10E)
NELSON and FORT STEELE M.D. Seventeen kilometres southeast of Crawford Bay, on the north side of La France Creek, south of the headwaters of Baker Creek.

CLAIMS: WALL 1 to 9 plus CELEBRATION (Lot 7229), MONTANA (Lot 7230), MONTANA FR. (Lot 7231), ECHO (Lot 7232), EXPERIMENT (Lot 7238), ASSURANCE (Lot 7237).

OWNERS: E. Denny and P. Denny.

OPERATOR: DeKALB MINING CORPORATION, 630 Sixth Avenue SW, Calgary, Alberta T2P 0S8.

METALS: Zinc, lead, silver.

DESCRIPTION: Limestones and weathered dolomites of the Mount Nelson Formation were explored for the presence of stratabound lead-zinc sulphides. Drilling did not encounter the expected stratabound deposits although one large cavern (8 metres) was encountered during coring operations.

WORK DONE: Diamond drilling, 8 BQ holes, totalling 705 metres, on Celebration and Wall 1.

REFERENCES: Mineral Inventory 82F/NE-108, 109; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 60; Assessment Reports 4387, 5710, 6109, 6231A and B, 7828.

BAKER (Fig. E-1, NTS 82, No. 123)

LOCATION: Lat. 49° 36′ Long. 116° 39′ (82F/10E)
FORT STEELE M.D. Fourteen kilometres southwest of the community of Crawford Bay on the headwaters of Baker Creek, west of Burdett Peak.

CLAIMS: BAKER 1 (20 units), BAKER 2 (18 units), BAKER 3 (10 units), BAKER 4 (15 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.

DESCRIPTION: The area is underlain by Proterozoic clastic sedimentary rocks of the Kitchener-Siyeh, Mount Nelson, and Toby Formations. Carbonate-rich schist has altered to garnet actinolite skarn containing disseminated molybdenite.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 939 soil samples analysed for copper, lead, zinc, silver, molybdenum, and tungsten; and linecutting, 18.1 line kilometres, covering Baker 1-4; road construction, 0.9 kilometre, on Baker 1 and 4.

REFERENCE: Assessment Report 7416.

COMMONWEALTH (Fig. E-1, NTS 82, No. 121)

LOCATION: Lat. 49° 40′ Long. 116° 40′ (82F/10E)
SLOCAN M.D. Eleven kilometres east of the community of Crawford Bay, on the south side of Mount Hooker and on the headwaters of Hooker Creek.

CLAIMS: COMMONWEALTH (Lot 4172), SULTAN (Lot 4171), REPUBLIC (Lot 4173), REPUBLIC FR. (Lot 4176).

OWNERS: E. Denny and J. Denny.

OPERATOR: E. DENNY, RR 1, Nelson V1L 5P4.

DESCRIPTION: One or more large quartz veins in the Horsethief Creek series have been proven for a strike length of over 400 metres. Open cuts expose varying widths of quartz veins, as well as quartz stockwork and brecciated buff-weathering dolomite very similar to the Mount Nelson dolomite schist.

WORK DONE: Geochemical surveys, 63 soil samples analysed for copper, lead, zinc, and silver and 5 silt samples analysed for copper, lead, zinc, silver, molybdenum, cadmium, and antimony; and linecutting, 2 220 metres, covering Commonwealth, Republic, and Republic Fr.; prospecting; geological surface mapping, 1:1600, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1896, p. 94; 1900, pp. 982, 987, 988.

JENNI (Fig. E-1, NTS 82, No. 124)

LOCATION: Lat. 49° 43′ Long. 116° 37′ (82F/10E)
SLOCAN M.D. Seventeen kilometres east-northeast of Crawford Bay post office near Cogle Pass, at the head of Sawyer Creek.
CLAIM: JENNI.
OWNER: A. MORES, 609 Wasson Street, Nelson V1L 3G5.
METALS: Copper, lead, zinc, silver.
DESCRIPTION: Chalcopyrite, sphalerite, galena, pyrite, and pyrrhotite occur in quartz veins and lenses and in foliations of schist and argillites.
WORK DONE: Trenching, 8 square metres, and road work.
REFERENCES: Mineral Inventory 82F/NE-99; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 61.

UNITED COPPER (Fig. E-1, NTS 82, No. 119)

LOCATION: Lat. 49° 43′ Long. 116° 37′ (82F/10E)
SLOCAN-FORT STEELE M.D. Seventeen kilometres east-northeast of Crawford Bay post office in Cogle Pass, 2 kilometres north of the headwaters of Canyon Creek.
CLAIM: UNITED COPPER.
OWNER: F. W. CARTWRIGHT, Box 7543, Nelson V1L 5R7.
METALS: Copper, zinc, lead, silver, gold.
DESCRIPTION: Chalcopyrite, sphalerite, galena, pyrite, and pyrrhotite occur in quartz veins and lenses in shear zones and in foliations of schist and argillites. Minor galena occurs along contacts of schist and limestone.
WORK DONE: One trench, 12 square metres, one cut, 6 square metres, and road work, covering United Copper.
REFERENCES: Mineral Inventory 82F/NE-99; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 61.

BEN DERBY (Fig. E-1, NTS 82, No. 126)

LOCATION: Lat. 49° 35′ Long. 116° 46′ (82F/10W)
NELSON M.D. Nine kilometres south-southeast of Crawford Bay, between Birkbeck and McFarlane Creeks.
CLAIMS: MOLY 1 (4 units), MO 1 to 4.
OWNERS: E. Denny and D. Wicklund.
OPERATOR: DeKALB MINING CORPORATION, 630 Sixth Avenue SW, Calgary, Alberta T2P 0S3.
METAL: Molybdenum.

DESCRIPTION: Exploration is being carried out on the contact zone of two post-Triassic granitic intrusions where they come in contact with the Hamill and Horsethief Creek argillites and quartzites. Disseminated molybdenum was noted in the granite near the contact zone. Earlier exploration consisted of driving two adits on steeply dipping 1.2-metre-thick white quartz veins mineralized with molybdenum.

WORK DONE: Geochemical survey, 460 samples assayed for molybdenum, and surface geological mapping, 1:5000, covering all claims.

REFERENCES: Mineral Inventory 82F/NE-125; *Minister of Mines, B.C.*, Ann. Rept., 1918, p. 159; 1966, p. 217; 1967, p. 248; Assessment Report 1176.

YOSIE (Fig. E-1, NTS 82, No. 128)

LOCATION: Lat. 49° 44' Long. 117° 18' (82F/11W)
SLOCAN M.D. On the east side of Crusader Creek, immediately north of Mineral Creek.

CLAIMS: YOSIE 1 to 5.

OPERATOR: C. C. YOUNG, 324 Delbruck Street, Nelson V1L 5L3.

METALS: Lead, silver.

DESCRIPTION: Galena in small shears in Nelson granodiorite may be related to nearby pegmatite.

WORK DONE: Trenching and deepening of exploration pits, on Yosie 1-3.

REFERENCES: Mineral Inventory 82F/NW-221; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 61.

REPUBLIC (Fig. E-1, NTS 82, No. 252)

LOCATION: Lat. 49° 48' Long. 117° 27' (82F/14W)
SLOCAN M.D. Three kilometres northeast of Slocan, at the headwaters of Scorpion and Climax Creeks.

CLAIMS: RS (20 units) and ERIN (Lot 1530), ERIN FR. (Lot 5236), SUNLIGHT FR. (Lot 5319), REPUBLIC 2 (Lot 5498), AMERICAN EAGLE (Lot 5499), BELLE 2 (Lot 5500).

OWNER: E. Amendolagine.

OPERATOR: MANNY CONSULTANTS LTD., 4550 Harriet Street, Vancouver.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: The property is underlain by granitic and porphyritic rocks of the Nelson batholith (Lower Cretaceous) including lamporphyre dyke and quartz vein rocks. Mineralization containing copper, lead, zinc, gold, and silver occurs mainly in quartz veins occupying shear zones.

WORK DONE: Induced polarization survey, 5.9 kilometres, covering Erin, Erin Fr., Sunlight Fr., Republic 2, American Eagle, Belle 2.

REFERENCES: Mineral Inventory 82F/NW-168; *B.C. Ministry of Energy, Mines & Pet Res.*, GEM, 1973, pp. 74, 75; Assessment Reports 4877, 7831.

ENTERPRISE (Fig. E-1, NTS 82, No. 259)

LOCATION: Lat. 49° 49' Long. 117° 19' (82F/14W)
SLOCAN M.D. Fourteen kilometres south of Silverton, at Nepawa and Printer Creeks on Enterprise Creek.

CLAIMS: UNITED EMPIRE (Lot 2103), LONDON FR. (Lot 5664), SUNSET FR. (Lot 14541), SLOCAN QUEEN (Lot 1015), ENTERPRISE FR. (Lot 4522), ENTERPRISE (Lot 1014), EMPRESS FR. (Lot 8400).

OWNERS: J. Maltz, J. Hope, and G. Bennett.

OPERATOR: L. B. GOLDSMITH, Box 29, Silverton V0G 2B0.

METALS: Gold, silver, lead, zinc, (silica).

DESCRIPTION: The claims are underlain by porphyritic granodiorite and dioritic phases of the Nelson batholith. Pyrite, galena, sphalerite, tetrahedrite, and chalcopyrite occur in quartz gangue. The property is a past producer.

WORK DONE: Geochemical survey, 170 soil samples analysed for silver, lead, and zinc, and geological mapping, covering all claims.

REFERENCES: Mineral Inventory 82F/NW-148; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 75; *Geol. Surv., Canada*, Mem. 184, pp. 172-174; Mem. 308, pp. 142, 143; Assessment Report 7712.

ROCKLAND, SILVER BAND (Fig. E-1, NTS 82, No. 264)

LOCATION: Lat. 49° 53' Long. 117° 22' (82F/14W)
SLOCAN M.D. Six kilometres south of New Denver, covering Aylwin Creek.

CLAIMS: WILLA (Lot 1529), ROCKLAND (Lot 3884), RUSTLER (Lot 3885), TRENTON (Lot 5232), LAST CHANCE NO. 11 (Lot 5233), SILVER BAND (Lot 5878), LITTLE DAISY (Lot 7302), GOLDEN (Lot 7303), IDLER (Lot 7304), GOLDEN FR. (Lot 7307), plus ENT 1 to 4, ALY 7.

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Gold, copper.

DESCRIPTION: The Aylwin property is underlain by a large inlier of the Slocan Group within the Nelson batholith. The pendant consists of predominantly volcanic rocks that are intruded by felsic rocks (Tertiary ?). Chalcopyrite, pyrite, and pyrrhotite occur mainly in metavolcanic rocks. Minor molybdenite is associated with quartz veins and felsic intrusive rocks.

WORK DONE: Surface geological mapping, 1:6667, covering all claims, and 33 petrographic samples.

REFERENCES: Mineral Inventory 82F/NW-70, 71, 73; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 450; Assessment Report 7853.

CORK, PROVINCE (Fig. E-1, NTS 82, No. 260)

LOCATION: Lat. 49° 54′ Long. 117° 04′ (82F/14E)
SLOCAN M.D. Twenty-one kilometres east-southeast of Silverton, at the junction of Keen and Ben Hur Creeks.

CLAIMS: PROVINCE (Lot 5042), REX (Lot 6330), REX FR. (Lot 6329), SLIDE (Lot 6332), SLIDE (Lot 3627), HUB (Lot 6331).

OWNERS: P. Harker and J. Hope.

OPERATOR: L. B. GOLDSMITH, Box 29, Silverton V0G 2B0.

METALS: Silver, lead, zinc.

DESCRIPTION: Sparse outcrops indicate presence of argillite, limy argillite, a band of limestone, and granitic rocks. In the vicinity of the old mine workings the argillites are sheared and schistose. Mineralization consists of pyrite, galena, and sphalerite.

WORK DONE: Geochemical survey, 200 soil samples analysed for silver and lead, and geological mapping, covering all claims.

REFERENCES: Mineral Inventory 82F/NW-94; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1966, p. 224; *Geol. Surv., Canada*, Mem. 184, pp. 206-210; Assessment Report 7713.

CHICAGO (COLONIAL) (Fig. E-1, NTS 82, No. 129)

LOCATION: Lat. 49° 58′ Long. 117° 12′ (82F/14E)
SLOCAN M.D. Two and one-half kilometres southeast of Sandon, between Sandon and Cody Creeks.

CLAIMS: CHICAGO NO. 2 (Lot 2142), COLONIAL (Lot 5313), PULLMAN FR. (Lot 3309), FREDDIE LEE (Lot 475), CHICAGO FR. (Lot 3310).

OWNER: N. SIBILLEAU, 10950–142 B Street, North Surrey V3R 3L8.

METALS: Silver, lead, zinc.

WORK DONE: Road improvement; road construction, 245 metres; bulk sampling, and stripping, 15 metres, covering Colonial, Chicago No. 2, Pullman Fr., and Chicago Fr.

REFERENCES: Mineral Inventory 82F/NW-194; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 52.

TERRA ROSE (Fig. E-1, NTS 82, No. 132)

LOCATION: Lat. 49° 46′ Long. 116° 57′ (82F/15W)
SLOCAN M.D. Four kilometres northwest of Ainsworth Hot Springs, on the north side of Cedar Creek.

CLAIMS: TERRA ROSE, JACQUELINE J, DARCY K.

OWNER: F.G.J. WILLIAMS, RR 2, Granite Road, Nelson V1L 5P5.

WORK DONE: Prospecting, hand pitting, and trenching, on all claims.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 65.

NOR (Fig. E-1, NTS 82, No. 133)

LOCATION: Lat. 49° 46′ Long. 116° 57′ (82F/15W)
SLOCAN M.D. Four kilometres northwest of Ainsworth Hot Springs south of Lendrum Creek.

CLAIMS: NOR I, NOR II.

OWNER: R. DAVIDSON, General Delivery, Ainsworth Hot Springs V9G 1A0.

METALS: Lead, zinc, silver.

DESCRIPTION: Silver, lead, and zinc are present along a planar structure in fine-grained limestone of the Kootenay Arc.

WORK DONE: Trenching, approximately 5 metres long and 4 metres wide, on Nor I.

REFERENCES: Mineral Inventory 82F/NE-128; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 81.

TAMRAK, LAURIER (Fig. E-1, NTS 82, No. 134)

LOCATION: Lat. 49° 47′ Long. 116° 55′ (82F/15W)
SLOCAN M.D. Five kilometres north of Ainsworth Hot Springs, on Lendrum Creek, 2 kilometres west of Kootenay Lake.

CLAIMS: ATTENDED (Lot 918), LAURIER (Lot 3346), TAMRAK (Lot 3341), RFG (Lot 12719), plus PACK RAT (4 units).

OWNERS: R. B. Savage, W. C. Savage, and P. W. Savage.

OPERATOR: R. B. SAVAGE, RR 2, Nelson V1L 5P5.

METALS: Silver, lead, zinc.

WORK DONE: Stripping, crosscutting, and sampling, on RFG.

REFERENCES: Mineral Inventory 82F/NE-97; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 413; Assessment Report 3619.

TRUE BLUE (Fig. E-1, NTS 82, No. 249)

LOCATION: Lat. 49° 53′ Long. 116° 57′ (82F/15W)
SLOCAN M.D. Four kilometres southwest of Kaslo, south of Kaslo River on the north side of True Blue Mountain.

CLAIMS: TRUE BLUE (Lot 4859), COPPER QUEEN (Lot 4861), and TRUE (15 units), BLUE (20 units).

OWNER: O. Janout.

OPERATOR: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, lead, zinc, silver, gold.

DESCRIPTION: The claims are underlain by argillaceous and tuffaceous rocks of the Upper Milford Group intercalated with greenstone rocks of the overlying Kaslo Group. Mineralization consists of disseminated to massive pyrite, chalcopyrite, and sphalerite in folded sericite schist.

WORK DONE: Ground electromagnetic survey, 8 kilometres, and ground magnetometer survey, 13.6 kilometres, covering all claims.

REFERENCES: Mineral Inventory 82F/NE-2; Assessment Report 7587.

KAS (Fig. E-1, NTS 82, No. 130)

LOCATION: Lat. 49° 56′ Long. 116° 38′ (82F/15E)
FORT STEELE M.D. Eighteen kilometres northeast of Riondel, east of Mount Loki on a branch of the St. Mary River.
CLAIMS: KAS 1 (20 units), KAS 2 (1 unit), KAS 3 (1 unit), KAS 4 (6 units).
OWNER: J. A. Climie.
OPERATOR. AGIP CANADA LTD., 2700, 700 Second Street SW, Calgary, Alberta T2P 2W2.
DESCRIPTION: The claim group is located along the contact of the Cretaceous Fry Creek batholith with Late Cambrian Hamill series and Horsethief Creek series metasedimentary rocks.
WORK DONE: 1978 – geochemical survey, 14 silt and 16 water samples analysed for uranium, molybdenum, and copper; ground scintillometer survey.
REFERENCE: Assessment Report 7327.

CLUTE (Fig. E-1, NTS 82, No. 131)

LOCATION: Lat. 50° 00′ Long. 116° 46′ (82F/15)
SLOCAN M.D. Thirteen kilometres northeast of Kaslo, 4 kilometres north of Campbell Creek and 3 kilometres due south of Mount Tyrrell.
CLAIM: CLUTE (20 units).
OWNER: CANADIAN SUPERIOR EXPLORATION LIMITED, 1800, 701 West Georgia Street, Vancouver.
DESCRIPTION: The property and surrounding area are underlain by well-exposed massive quartz monzonites and granites of the Early to Middle Cretaceous Fry Creek batholith.
WORK DONE: Geochemical survey, 20 silt and 2 rock samples analysed for molybdenum, copper, zinc, nickel, uranium, and tungsten.
REFERENCES: Assessment Report 7364.

HILO (Fig. E-1, NTS 82, No. 136)

LOCATION: Lat. 49° 48′ Long. 116° 20′ (82F/16W)
FORT STEELE M.D. Twenty-five kilometres west-northwest of Kimberley at Mount Patrick.
CLAIMS: VULCAN 1 (15 units), VULCAN 2 (10 units), VULCAN (15 units).
OWNER: COMINCO LTD., 2450 Cranbrook Street, Cranbrook V1C 3T4.
METALS: Silver, lead, zinc.
DESCRIPTION: The property is underlain by quartzitic wacke and gabbro rocks.
WORK DONE: Surface diamond drilling, 187.14 metres, on Vulcan 1.
REFERENCES: Mineral Inventory 82F/NE-102 to 104; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 78; Assessment Reports 3300, 4713, 7689.

NINE LAKE (Fig. E-1, NTS 82, No. 135)

LOCATION: Lat. 49° 59′ Long. 116° 12′ (82F/16E)
FORT STEELE M.D. Thirty-five kilometres north-northeast of Kimberley at the head of Greenland Creek.

CLAIMS: MOB 1 to 7 (20 units each).

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METAL: Tungsten.

DESCRIPTION: Scheelite in fracture stockwork zones in Moyie metadiorite sills within Aldridge quartzite.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 1 349 soil samples analysed for tungsten, covering Mob 1-5, 7; ground magnetometer survey, 60 kilometres, covering Mob 1-4, 7.

REFERENCES: Mineral Inventory 82F/NE-89, 107, 112, 122, 132; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 66; Assessment Report 3927.

FERNIE 82G

OPAL (Fig. E-1, NTS 82, No. 137)

LOCATION: Lat. 49° 00' Long. 114° 13' (82G/1E)
FORT STEELE M.D. Nineteen kilometres east of Flathead, extending north from the International Boundary down the southeast end of Starvation Valley.

CLAIMS: OPAL 1 to 9.

OWNER: KINTLA EXPLORATIONS LIMITED, Box 763, Cardston, Alberta TOK OKO.

METALS: Copper, silver, lead, uranium.

DESCRIPTION: Bornite, chalcocite, and tennantite occur in Grinnell quartzites and sandstones. Galena occurs in diorite dykes and sills that intrude the Grinnell in Long Knife Ridge. Uranium occurs in all the red and green argillites of the Grinnell Formation.

WORK DONE: Geophysical survey, approximately 30 kilometres, covering Opal 1-8.

REFERENCES: Mineral Inventory 82G/SE-46; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 54; Assessment Reports 5696, 6521.

FORUM (Fig. E-1, NTS 82, No. 138)

LOCATION: Lat. 49° 1' Long. 114° 04' (82G/1E)
FORT STEELE M.D. Two kilometres west of the north end of Cameron Lake, covering the head of Akamina Creek to Forum Lake.

CLAIMS: FORUM 2 to 8, 11 to 16.

OWNER: GOBLE EXPLORATION SYNDICATE, Box 1328, Cardston, Alberta TOK OKO.

METALS: Copper, silver.

DESCRIPTION: Copper-silver occurs in several beds in the Kintla Formation, with the two most interesting occurrences in the blue-grey dolomite beds of the

Phillips Formation. Two beds occur almost together, with the copper found as finely disseminated bornite, chalcocite, and tennantite, with malachite and pyrolusite.

WORK DONE: Radiometric survey, 37 kilometres, covering Forum 2-8.

REFERENCES: Mineral Inventory 82G/SE-45; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 55; Assessment Reports 5695, 6521, 7699.

LIN (Fig. E-1, NTS 82, No. 140)

LOCATION: Lat. 49° 03′ Long. 114° 16′ (82G/1W)
FORT STEELE M.D. Sixteen kilometres east-northeast of Flathead, extending north from Starvation Creek to the south side of Kishinena Creek.

CLAIMS: LIN 13, 14, 16, 18, 21 to 26.

OWNER: KINTLA EXPLORATIONS LIMITED, Box 763, Cardston, Alberta T0K 0K0.

METALS: Copper, silver, uranium.

DESCRIPTION: The claims cover a section of the Grinnell Formation on the north side of Starvation Peak. One small diorite intrusion has been noted in the Grinnell. Copper-silver mineralization occurs in the quartzites and sandstones of the Grinnell Formation, with two of the green argillite beds mineralized in one section. Uranium occurs as very low-grade disseminations in all the red and green argillites and siltstones.

WORK DONE: Radiometric survey, approximately 30 kilometres, covering Lin 21-26.

REFERENCES: Mineral Inventory 82G/SE-8, 11; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 55; Assessment Reports 5694, 6521, 7678.

SUNKIST (Fig. E-1, NTS 82, No. 141)

LOCATION: Lat. 49° 11′ Long. 114° 18′ (82G/1W)
FORT STEELE M.D. About 14 kilometres east of the Flathead River, northeast of Sunkist Mountain on the headwaters of Roche Creek.

CLAIM: SUNKIST (9 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claim area is underlain primarily by rocks of the Creston Formation sparsely mineralized with specular hematite. The claim was staked to cover anomalous stream silt values in uranium. Resampling and examination indicated the anomalous values were present in basinal drainages beneath a weakly radioactive siltstone unit presumably of the Kitchener Formation. No mineralization was found.

WORK DONE: Geochemical survey, 37 soil and 12 silt samples, and scintillometer survey, 6 kilometres.

COMMERCE (Fig. E-1, NTS 82, No. 139)

LOCATION: Lat. 49° 11′ Long. 114° 22′ (82G/1W)
FORT STEELE M.D. Approximately 6 kilometres east of Flathead River, extending southeast from the eastern headwaters of Commerce Creek.

CLAIMS: COMMERCE 1 to 16, 19 to 22, 38, 39, 41 to 48, 69 to 71, 75 to 78, 83, 84.

OWNER: KINTLA EXPLORATIONS LIMITED, Box 763, Cardston, Alberta T0K 0K0.

METALS: Gold, silver, copper, molybdenum, uranium.

DESCRIPTION: Sedimentary quartzite and sandstone rocks of the Grinnell Formation carry gold, silver, copper, molybdenum, and uranium. Low-grade gold is found in the syenite intrusive rocks, the syenite rocks being related to a large syenite plug. Uranium is associated with the red and green argillites of the Appekunny and Grinnell Formations, as well as with the copper in the quartzites and sandstones of both these formations. Molybdenite is found in some but not all of the thin-bedded, high-grade copper in the Lower Grinnell quartzites and sandstones. Silver is with the syenites and in the country rock at or near the contact with syenite sills and dykes. The Phillips red beds also carry low-grade uranium, and two dolomite beds in the Phillips Formation carry copper and silver.

WORK DONE: Radiometric survey, approximately 50 kilometres, covering Commerce 5-8, 9-14, 22, 41, 42.

REFERENCES: Mineral Inventory 82G/SE-6, 39 to 43; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 66, E 67; Assessment Reports 4535, 5035, 5070, 5560, 5938, 6398, 7567.

WIGWAM (Fig. E-1, NTS 82, No. 142)

LOCATION: Lat. 49° 13′, 49° 06′ Long. 114° 57′, 114° 52′ (82G/2W)
FORT STEELE M.D. On the east side of Wigwam River, one group being at Soowa Mountain, while the rest are between Wigwam River and Outlier Ridge.

CLAIMS: WIGWAM 1 (16 units), WIGWAM 2 (6 units), WIGWAM 3 (9 units), WIGWAM 4 (9 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by banded shales and siltstones sometimes mineralized with pyrite. The pyrite is often weathered to jarosite. The property is also underlain by soil and small fragments of rock with occasional outcrops of laminated siltstones, mudstones, and interbedded quartzite. Blocks of reddish mudstone with quartz-filled cracks are commonly observed in float. The presence of anomalous geochemical values was attributed to weakly radioactive mudstones and siltstones.

WORK DONE: Geochemical sampling, 64 soil, 9 silt, and 3 water (Wigwam 1), 45 soil, 18 silt, and 18 water (Wigwam 2, 3), and 21 soil, 11 silt, and 11 water (Wigwam 4), all analysed for uranium.

FORTUNE (Fig. E-1, NTS 82, No. 143)

LOCATION: Lat. 49° 15′ Long. 115° 06′ (82G/3E)
FORT STEELE M.D. Nine kilometres east of the community of Baynes Lake and west of the confluence of Elk and Wigwam Rivers.
CLAIM: FORTUNE (1 unit).
OPERATOR: (Mrs.) G. R. JACKLIN, Box 1736, Pincher Creek, Alberta T0K 1W0.
WORK DONE: Prospecting.

FAME (Fig. E-1, NTS 82, No. 144)

LOCATION: Lat. 49° 15′ Long. 115° 07′ (82G/3E)
FORT STEELE M.D. Eight kilometres east of the community of Baynes Lake and west of the confluence of Elk and Wigwam Rivers.
CLAIM: FAME (1 unit).
OPERATOR: R. D. JACKLIN, Box 1736, Pincher Creek, Alberta T0K 1W0.
WORK DONE. Prospecting.

YAHK (Fig. E-1, NTS 82, No. 145)

LOCATION: Lat. 49° 07′ Long. 115° 58′ (82F/1E; 82G/4W)
Report on this property in 82F/1E.

VINE (Fig. E-1, NTS 82, No. 146)

LOCATION: Lat. 49° 19′-29′ Long. 115° 45′-58′ (82G/5W)
FORT STEELE M.D. From 3 kilometres south of Cranbrook southward to Rabbit Foot Creek, a tributary of Lamb Creek.
CLAIMS: VINE 2, 3, 5 to 34 (352 units).
OWNER: COMINCO LTD., 2450 Cranbrook Street, Cranbrook V1C 3T4.
METALS: Silver, lead, zinc.
DESCRIPTION: An electromagnetic survey and diamond drilling were undertaken to evaluate the potential of the property. No important conductive target was found in the survey area.
WORK DONE: Linecutting and electromagnetic survey, 80.29 kilometres, covering Vine 2, 3, 23, 24, 26-29, 31, 32; surface diamond drilling, 1 hole, totalling 544 metres, on Vine 17.
REFERENCES: Mineral Inventory 82G/SW-8 (Lumberton), 35 (Helge); *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 67, E 68; *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1977, p. 14; Assessment Reports 1174, 6498, 6543, 6863, 6936, 7087, 7554, 7677.

GEM (Fig. E-1, NTS 82, No. 147)

LOCATION: Lat. 49° 21' Long. 115° 59.5' (82G/5W)
FORT STEELE M.D. Thirteen kilometres northwest of the town of Moyie on the eastern side of McNeil Creek.
CLAIMS: GEM 1 and 2 (1 unit each).
OWNERS: St. Eugene Mining Corporation Limited and K. A. Frost.
OPERATOR: ST. EUGENE MINING CORPORATION LIMITED, 700, 1112 West Pender Street, Vancouver.
DESCRIPTION: The property is underlain by nearly flat-lying Aldridge Formation greywackes and argillites.
WORK DONE: Geochemical survey, 38 soil samples, covering both claims.
REFERENCE: Assessment Report 7660.

CENTRE (Fig. E-1, NTS 82, No. 149)

LOCATION: Lat. 49° 25' Long. 114° 36' (82G/7E)
FORT STEELE M.D. Six kilometres north-northeast of the settlement of Flathead, on the west slope of Centre Mountain.
CLAIMS: VAN (2 units), CENTRE (16 units), CENTRE W (16 units), CENTRE E (3 units).
OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood V0B 2G0.
DESCRIPTION: The property is underlain by Palliser, Exshaw, and Banff Formations.
WORK DONE: Geochemical survey, 225 talus samples, 10 core samples, and 20 channel samples collected, 193 of which were analysed for lead and zinc, covering Centre.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 68, E 69; Assessment Reports 7068, 7527.

CEDAR (Fig. E-1, NTS 82, No. 150)

LOCATION: Lat. 49° 44' Long. 115° 29' (82G/11W)
FORT STEELE M.D. Sixteen kilometres north-northeast of Fort Steele, on East Wild Horse River.
CLAIMS: CEDAR 1, 3, 7, 10, 12, DAISY 1 to 7.
OWNER: E. Frost.
OPERATOR: DeKALB MINING CORPORATION, 630 Sixth Avenue SW, Calgary, Alberta T2P 0S8.
METAL: Tungsten.
DESCRIPTION: Exploration attention was directed to isolating the source of tungsten as mapped during an earlier rock and prospecting survey. The source of the tungsten has not been found but it is thought to be associated with a zone of thermal alteration.

WORK DONE: Geochemical survey, 305 soil samples analysed for copper, tungsten, and tin, covering all claims.

REFERENCES: Mineral Inventory 82G/NW-60; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 69; Assessment Reports 5439, 5584.

SULLIVAN MINE (Fig. E-1, NTS 82, No. 117)

LOCATION: Lat. 49° 42′ Long. 116° 00′ (82F/9E; 82G/12W)
Report on this property in 82F/9E.

APRIL (Fig. E-1, NTS 82, No. 151)

LOCATION: Lat. 49° 49′ Long. 115° 31′ (82G/13E, 14W)
FORT STEELE M.D. Twenty-four kilometres north-northeast of Fort Steele, on the headwaters of Wild Horse River and Nicol Creek.

CLAIMS: APRIL 1 to 3.

OWNER: DeKALB MINING CORPORATION, 630 Sixth Avenue SW, Calgary, Alberta T2P 0S8.

DESCRIPTION: Silt and soil sampling and prospecting were carried out surrounding a quartz monzonite plug, an area prospective for tungsten-bearing skarn.

WORK DONE: Linecutting, 32 800 metres; prospecting (silt, soil, and rock sampling), covering all claims.

VAN (Fig. E-1, NTS 82, No. 154)

LOCATION: Lat. 49° 55′ Long. 115° 17′ (82G/14W)
FORT STEELE M.D. Thirty-two kilometres east of Skookumchuck, on Quinn Creek, west of Swanson Peak.

CLAIM: VAN (4 units).

OWNER: C. F. MINERAL RESEARCH LIMITED, 263 Lake Avenue, Kelowna V1Y 5W6.

DESCRIPTION: The property is mostly covered in soil talus and glacial overburden. It appears to be underlain by sequences of Silurian to Ordovician dolomites, limestone, and shale. These are overlain by folded McKay Group Ordovician to Cambrian limestone and shales.

WORK DONE: Ground magnetometer survey.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 70; Assessment Reports 7038, 7694.

BRULE (Fig. E-1, NTS 82, No. 153)

LOCATION: Lat. 49° 55′ Long. 115° 05′ (82G/14E)
FORT STEELE M.D. Twenty-six kilometres north-northwest of Natal, extending north/south along the headwaters of Norboe Creek in the south and Brule Creek in the north.

CLAIMS: BRULE 1 (16 units), BRULE 2 to 4 (18 units each).

OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood V0B 2G0.

DESCRIPTION: The property is probably underlain by Palliser, Exshaw, and Banff Formations. No mineralization was located.

WORK DONE: Geochemical survey, 96 soil samples analysed for lead, zinc, and copper, covering Brule 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 70, E 71; Assessment Report 7018.

CANAL FLATS 82J

SOAB (Fig. E-1, NTS 82, No. 157)

LOCATION: Lat. 50° 02′ Long. 115° 04′ (82J/3E)
FORT STEELE M.D. Twelve kilometres west-southwest of Round Prairie on the upper headwaters of Boivin Creek.

CLAIMS: SOAB 4 and 5 (18 units each).

OWNER: Silver Standard Mines Limited.

OPERATOR: ROCK JOINT VENTURE, 904, 1199 West Hastings Street, Vancouver V6E 3V4.

METAL: Zinc.

DESCRIPTION: Upper Devonian to Mississippian sedimentary rocks, mainly thick, cliff-forming carbonates, underlie the immediate property area.

WORK DONE: Surface geological mapping, covering both claims.

REFERENCES: Mineral Inventory 82J/SW-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 71; Assessment Reports 6263, 6910, 7489.

WEST (Fig. E-1, NTS 82, No. 155)

LOCATION: Lat. 50° 06′ Long. 115° 09′ (82J/3E)
FORT STEELE M.D. Eighteen kilometres west-northwest of Round Prairie, 4.5 kilometres southwest of Munroe Lake and 3 kilometres north of Smith Peak.

CLAIM: WEST (8 units).

OWNER: C. F. MINERAL RESEARCH LIMITED, 263 Lake Avenue, Kelowna V1Y 5W6.

DESCRIPTION: The property is underlain by Cambrian to Ordovician McKay Group folded shale and limestone.

WORK DONE: Ground magnetometer survey, 2.5 kilometres, and panning for heavy minerals.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 71; Assessment Reports 6984, 7696.

TIE, RIP (Fig. E-1, NTS 82, No. 156)

LOCATION: Lat. 50° 07′ Long. 115° 06′ (82J/3E)
GOLDEN M.D. Fourteen kilometres west-northwest of Round Prairie, 2 kilometres south of Munroe Lake.

1979 (82J/3E)

CLAIMS: TIE (4 units), RIP (4 units).

OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood V0B 2G0

DESCRIPTION: The property covers massive limestone and dolomite of the Fairholme Group (?) and shales of the McKay Formation. There is very limited exposure of outcrop.

WORK DONE: Geochemical stream sediment survey, 175 samples analysed for fluorine and 87 samples for copper, lead, and zinc, covering Tie.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 72, Assessment Reports 6815, 7466.

TRAV (Fig. E-1, NTS 82, No. 158)

LOCATION: Lat. 50° 12′ Long. 115° 49′ (82J/4W)
GOLDEN M.D. Three kilometres north of Canal Flats on the east side of Columbia Lake.

CLAIM: TRAV (6 units).

OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood V0B 2G0.

WORK DONE: Geochemical analysis of 140 samples, covering Trav.

REFERENCE: Assessment Report 7406.

FEN (Fig. E-1, NTS 82, No. 271)

LOCATION: Lat. 50° 29′ Long. 115° 32′ (82J/5E)
GOLDEN M.D. Thirty-five kilometres east of Invermere, just north of Fenwick Creek.

CLAIM: FEN 1 (12 units).

OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood.

DESCRIPTION: Quartz veins (possibly mineralized) follow a valley and suspected fault system.

WORK DONE: Geochemical survey, 71 soil samples analysed for copper, lead, and zinc.

REFERENCE: Assessment Report 7798.

SHAG (Fig. E-1, NTS 82, No. 159)

LOCATION: Lat. 50° 38′ Long. 115° 31′ (82J/11W, 12E)
FORT STEELE M.D. Thirty-eight kilometres east of Radium Hot Springs, on the east side of Albert River and west of Mount Queen Mary.

CLAIMS: SHAG 1 to 8 (127 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Zinc, (lead).

DESCRIPTION: Zinc and minor lead occur as disseminations and in fracture fillings in Middle and Upper Cambrian carbonate rocks.

WORK DONE: Surface diamond drilling, 6 holes, totalling 460 metres, on Shag 3 and 4.

REFERENCES: Mineral Inventory 82J/NW-4; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 73; Assessment Report 7036, 7382.

SWANSEA (Fig. E-1, NTS 82, No. 250)

LOCATION: Lat. 50° 31′ Long. 115° 57′ (82J/12W)
GOLDEN M.D. Five kilometres east of Invermere, on Swansea Mountain.

CLAIM: SWANSEA (Lot 2576).

OWNER: G. ALLEN, Box 7248, Postal Station E, Calgary, Alberta.

DESCRIPTION: The claim is underlain by Lower Paleozoic carbonate rocks. Faulted and brecciated zones in dolomite (Upper Jubilee) contain sparse malachite and azurite mineralization.

WORK DONE: Prospecting.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1898, pp. 1039, 1055; 1956, p. 111 (Cu); Assessment Report 7782.

LARDEAU 82K

BARN (Fig. E-1, NTS 82, No. 160)

LOCATION: Lat. 50° 11′ Long. 116° 17′ (82K/1W)
GOLDEN M.D. Thirty-seven kilometres south-southwest of Invermere, extending from the east side of Pert Peak to Barn Mountain and south to Frying Pan Creek.

CLAIMS: BARN 1 (20 units), BARN 2 (15 units), BARN 3 (18 units), BARN 4 (16 units), BARN 5 (16 units), BARN 6 (9 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

METALS: (Copper, tungsten, molybdenum).

DESCRIPTION: The claims are underlain by the Creston and Kitchener-Siyeh Formations, which consist of massive and laminated, green-grey and black-weathering argillites, argillaceous quartzites, and white quartzites. Mineralization consists of chalcopyrite, scheelite, and molybdenite. All occur in minor quantities.

WORK DONE: 1978 – prospecting (7 rock samples); geochemical survey, 48 silt and 21 soil samples analysed for molybdenum, copper, lead, tungsten, and zinc.

REFERENCE: Assessment Report 7325.

GOLD, QUARTZ **(Fig. E-1, NTS 82, No. 162)**

LOCATION: Lat. 50° 05' Long. 117° 08' (82K/3E)
SLOCAN M.D. Twenty kilometres east-northeast of the community of Rosebery along Whitewater Creek and extending northward to Mount Brennan.

CLAIMS: WHITEWATER 1 (15 units), WHITEWATER 2 (10 units), WHITEWATER 3 (6 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

METAL: Copper.

DESCRIPTION: The claim group is underlain by Permian and/or Triassic Kaslo Group metavolcanic rocks. The metavolcanic rocks consist mainly of fine-grained, dark green flows and tuffs of andesitic composition. Interbedded lenses of clastic sedimentary rocks strike east/west and steeply south. Minor amounts of chalcopyrite and pyrite were detected associated with minor quartz veining.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 368 soil samples analysed for gold, silver, and copper, covering all claims.

REFERENCES: Mineral Inventory 82K/SW-32; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 7, p. 42; Assessment Report 7835.

COOPER **(Fig. E-1, NTS 82, No. 161)**

LOCATION: Lat. 50° 10' Long. 117° 09' (82K/3E)
SLOCAN M.D. Fifteen kilometres west-northwest of Lardeau, between Mount Cooper and Cooper Creek.

CLAIM: COOPER 1 (20 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The Cooper property is underlain by stratified rocks of the Triassic Slocan, Permian Kaslo, and Mississippian Milford Groups which trend northwesterly and abut against the McKain Creek stock. Sulphide mineralization was not encountered during the soil geochemical sampling.

WORK DONE: Geochemical survey, 176 soil samples analysed for molybdenum, copper, tungsten, and lead; surface geological mapping, 1:5000.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 75; Assessment Report 7172.

CORK, MIN **(Fig. E-1, NTS 82, No. 163)**

LOCATION: Lat. 50° 00.5' Long. 117° 16.5' (82K/3W)
SLOCAN M.D. Immediately south of the settlement of Three Forks.

CLAIMS: MIN FR., WEST FR., CORK, LOPE (Lots 14809 to 14812).

OWNER: N. SIBILLEAU, 10950–142 B Street, Surrey V3R 3L8.

METALS: Silver, lead, zinc.

WORK DONE: Number 2 tunnel cleaned out and road work, covering all claims.

REFERENCES: Mineral Inventory 82K/SW-4; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 29, pp. 92, 93; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 64.

FERRY NO. 2, CU (Fig. E-1, NTS 82, No. 165)

LOCATION: Lat. 50° 03′ Long. 117° 22′ (82K/3W)
SLOCAN M.D. Three kilometres northeast of the community of Rosebery, north of Dennis Creek and east of Wilson Creek.

CLAIMS: LEMAX 1 (20 units), LEMAX 2 (20 units), LEMAX 4 (16 units), and FERRY NO. 2 (Lot 3668).

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Molybdenum, tungsten, zinc, lead.

DESCRIPTION: Small stocks of quartz monzonite and porphyritic quartz monzonite and a breccia pipe which post-dates the stocks intrude Slocan Group argillites. Minor molybdenite occurs in quartz veins in porphyritic quartz monzonite. Scheelite occurs on fractures in argillite and intrusive breccia. Sphalerite occurs as disseminations and in quartz veins in intrusive breccia, and occurs in quartz veins with galena in argillite peripheral to the stocks and intrusive breccia.

WORK DONE: Surface geological mapping, 1:5000, and geochemical survey, 369 soil samples analysed for molybdenum, copper, tungsten, and zinc, covering all claims; surface diamond drilling, 1 NQ hole, totalling 203 metres, on Lemax 1.

REFERENCES: Mineral Inventory 82K/SW-1, 63; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 423; Assessment Reports 2944, 3113, 3563, 7514, 7848.

ANTON (Fig. E-1, NTS 82, No. 164)

LOCATION: Lat. 50° 04′ Long. 117° 30′ (82K/3W, 4E)
SLOCAN M.D. Eight kilometres northwest of the community of Rosebery, extending from Slocan Lake westward along Shannon Creek to its confluence with Huss Creek.

CLAIMS: ANTON 1 to 6 (71 units), MOLY 1, 4, 5 (13 units).

OWNER: A. Strebchuk.

OPERATOR: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claims are underlain in part by plutonic rocks of the Wragge Creek stock, a complex intrusion of Late Cretaceous age. In contact with the intrusive rocks and underlying the northern portion of the property are low-grade metamorphic equivalents to fine-grained sedimentary rocks of the Slocan series. This group is mainly phyllite, with minor units of marble and calc-silicate rock.

WORK DONE: Geochemical survey, 504 soil and 73 rock samples analysed for molybdenum and tungsten, covering all claims.

REFERENCE: Assessment Report 7339.

VIN (Fig. E-1, NTS 82, No. 266)

LOCATION: Lat. 50° 03′ Long. 117° 35′ (82K/4E) SLOCAN M.D. Seventeen kilometres west-northwest of New Denver, at the headwaters of Shannon Creek.

CLAIM: VIN (18 units).

OWNER: J. R. KERR, 1, 219 Victoria Street, Kamloops V2C 2A1.

DESCRIPTION: The claim is underlain by three phases of intrusive rocks: white-pink quartz monzonite (Wragge batholith), massive white granodiorite or quartz monzonite (Shannon Lake stock) and dark quartz diorite (East Caribou stock). Some quartz veins contain pyrite and molybdenite.

WORK DONE: Surface geological mapping, 1:12 000; geochemical survey, 13 rock and 2 silt samples analysed for molybdenum, copper, lead, zinc, tungsten, and fluorine, covering Vin.

REFERENCE: Assessment Report 7838.

MILLIE MACK (Fig. E-1, NTS 82, No. 166)

LOCATION: Lat. 50° 03′ Long. 117° 44′ (82K/4E) SLOCAN M.D. Eleven kilometres northeast of Burton, at Blue Grouse Mountain on the north side of Caribou Creek.

CLAIMS: DLS (20 units), LAS (20 units), RWS (20 units), LMS (10 units), SGC (15 units), WDS (20 units), plus nine Crown-granted claims including MILLIE MACK (Lot 1831) and BLACK BEAR (Lot 4194).

OWNERS: W. Smith and S. Craik.

OPERATOR: ROCKLAND INDUSTRIES LTD., 1123 Mountain Avenue, Kelowna V1Y 7G9.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The Millie Mack deposit occurs in a flat-lying zone in graphitic schist near the top of Blue Grouse Mountain. The zone is underlain by andesite and overlain by Slocan sedimentary argillites. Mineralization consists of galena, tetrahedrite, sphalerite, and arsenopyrite.

WORK DONE: Road construction, 10 kilometres, covering WDS, RWS, LAS, DLS, LMS; trenching, 500 square metres, and bulk sampling, on Millie Mack.

REFERENCES: Mineral Inventory 82K/SW-51; *Minister of Mines, B.C.*, Ann. Rept., 1923, p. 234; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 423; Assessment Report 3262.

KUSP (Fig. E-1, NTS 82, No. 167)

LOCATION: Lat. 50° 08′ Long. 117° 36′ (82K/4E) SLOCAN M.D. Twenty kilometres southeast of Nakusp, north of Rugged Creek and south of Bonanza Creek.

CLAIMS: KUSP 1 (20 units), KUSP 2 (12 units), KUSP 4 (8 units).

OWNER: Canbrika Developments Ltd.

OPERATOR: J. R. WOODCOCK CONSULTANTS LTD., 1521 Pemberton Avenue, North Vancouver V7P 2S3.

METALS: (Lead, zinc).

DESCRIPTION: A Jurassic volcanic sequence containing clastic strata with disseminated sulphides.

WORK DONE: Surface geological mapping and prospecting.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 76; Assessment Reports 6845, 7054.

PROMESTORA (Fig. E-1, NTS 82, No. 168)

LOCATION: Lat. 50° 05' Long. 117° 47' (82K/4W)
SLOCAN M.D. Eighteen kilometres south of Nakusp on the headwaters of Mineral and Blue Grouse Creeks.

CLAIMS: TIM 1 to 6, PAULA 1 and 2, MURPHY 1 to 6, FRITZ 1 to 8, SUNBURN 1 and 2, NICOLE 1 to 8, FROSTY, A 1 to 3, SNOW 1 to 4, 6 and 7, MM 1 to 5, plus PROMESTORA (Lot 3788), ORA GRANDA (Lot 4659).

OWNER: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.

METALS: Lead, silver, (molybdenum).

DESCRIPTION: The property is predominantly underlain by quartz diorites and diorites of the Ruby Range stock. These intrude andesites, argillites, and siltstones of the Slocan Group. Mineralized areas consist of a few small quartz-galena and quartz-molybdenite veins and pods. A highly sericitized area within the quartz diorite stock contains pyrrhotite and arsenopyrite hosting minor associated gold.

WORK DONE: Surface geological mapping, 1:10 000; linecutting, 10.9 kilometres; and geochemical survey, 1 513 samples analysed for copper, molybdenum, lead, and zinc, covering all claims; underground work (reopening old adit), on Promestora.

REFERENCES: Mineral Inventory 82K/SW-52; *Minister of Mines, B.C.*, Ann. Rept., 1956, pp. A 51, 99; Assessment Report 7829.

RB (Fig. E-1, NTS 82, No. 169)

LOCATION: Lat. 50° 21' Long. 117° 51' (82K/5W)
SLOCAN M.D. Eleven kilometres north-northwest of Nakusp, on the east side of Upper Arrow Lake and on the south side of Cape Horn Creek.

CLAIM: RB 1 (20 units).

OWNER: COLD LAKE RESOURCES INC., 314, 543 Granville Street, Vancouver V6C 1X8.

DESCRIPTION: Granitic intrusive rocks belonging to the Kuskanax batholith underlie all but the extreme west of the property. Much of the property is covered with a mantle of overburden. No economic mineralization was found.

WORK DONE: Surface geological mapping; linecutting and ground scintillometer and magnetometer surveys, 35 kilometres each; geochemical survey, 330 soil samples analysed for copper and lead.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 76, E 77; Assessment Report 7789.

SPYGLASS (Fig. E-1, NTS 82, No. 171)

LOCATION: Lat. 50° 22′ Long. 117° 20′ (82K/6W)
SLOCAN M.D. Thirty-four kilometres east-northeast of Nakusp, on Poplar Creek, southwest of Spyglass Mountain.
CLAIM: SPYGLASS (6 units).
OWNER: J. K. Wyles.
OPERATOR: DeKALB MINING CORPORATION, 630 Sixth Avenue SW, Calgary, Alberta T2P 0S8.
METALS: Silver, lead, zinc.
DESCRIPTION: The property is underlain by argillite and quartzite containing pyritic fractures, sericite, quartz veinlets, aplite, and quartz monzonite dykes.
WORK DONE: 1978 – surface diamond drilling, 6 holes, totalling 260 metres.
REFERENCES: Mineral Inventory 82K/SW-57; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 463; Assessment Report 7650.

CASCADE (Fig. E-1, NTS 82, No. 265)

LOCATION: Lat. 50° 18′ Long. 117° 13′ (82K/6E)
SLOCAN M.D. Thirty-six kilometres north-northeast of New Denver, at the headwaters of Cascade Creek.
CLAIM: CASCADE (20 units).
OWNER: J. R. KERR, 1, 219 Victoria Street, Kamloops V2C 2A1.
DESCRIPTION: The dominant rock types are metamorphosed limestone, argillite, shale, and quartzite of the Milford Group, cut by a small quartz monzonite stock and numerous dykes. Some of the dykes contain pyrite, galena, and molybdenite.
WORK DONE: Surface geological mapping, 1:12 000; geochemical survey, 29 rock and 4 silt samples analysed for molybdenite, copper, lead, zinc, tungsten, and fluorine.
REFERENCE: Assessment Report 7838.

POPLAR (Fig. E-1, NTS 82, No. 170)

LOCATION: Lat. 50° 20′ Long. 117° 14′ (82K/6E)
SLOCAN M.D. Thirty-two kilometres north of Retallack, between Poplar and Cascade Creeks, on Mount Emmens.
CLAIMS: POPLAR 1 (20 units), POPLAR 2 (20 units), POPLAR 3 (12 units).
OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The northeastern portion of the Poplar claim group is underlain by metasedimentary rocks of the Lower Paleozoic Lardeau Group. The western portion of the property is underlain by the Poplar Creek stock. The argillites and phyllites of the Lardeau Group are finely bedded, nearly vertically dipping, and trend northwesterly. Numerous felsic sills varying in width from 30 centimetres to 15 metres parallel the bedding of the Lardeau metasedimentary rocks. No economic sulphides were observed.

WORK DONE: Geochemical survey, 433 soil samples analysed for molybdenum, copper, lead, and tungsten; and surface geological mapping, 1:5000, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 77; Assessment Report 7425.

DUNCAN (Fig. E-1, NTS 82, No. 261)

LOCATION: Lat. 50° 20′ Long. 116° 57′ (82K/7W)
SLOCAN M.D. Extending from 14 kilometres to 24 kilometres north of Argenta, on the east side of Duncan Lake.

CLAIMS: BILL, BILL 1 to 3, ART 1 to 6, 8, ROSCO 1 to 16, ALICE, FRANK, RUTH, PAT, JIM, OIHO, MARGE, DAVE, MAGIE, JIGS, LD, LD 1 to 10, TED 1 to 3, JEN, LAKE SHORE, LAKE SHORE 1, plus GRIZZLY (Lot 14371).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver.

METALS: Lead, zinc.

DESCRIPTION: The property is underlain by anticlinal metasedimentary rocks of the Badshot Formation. Pyrite, galena, and sphalerite occur in limestone, dolomite, and/or at carbonate-chert contact.

WORK DONE: Surface diamond drilling, 4 BQ holes, totalling 1 117 metres, on Rosco.

REFERENCES: Mineral Inventory 82K/SE-21 to 23; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 225; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 49, pp. 71-75; Assessment Report 7745.

SEC (Fig. E-1, NTS 82, No. 174)

LOCATION: Lat. 50° 27′ Long. 116° 33′ (82K/7E)
GOLDEN M.D. Thirty-six kilometres west-southwest of Invermere between Farnham Creek and Lake of the Hanging Glacier.

CLAIMS: HATSOFF 1 to 7 (85 units).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Molybdenum, tungsten.

DESCRIPTION: A Cretaceous quartz monzonite stock intrudes Precambrian sedimentary rocks of the Purcell anticlinorium. Near its eastern contact, an area of acid intrusive rocks and related quartz-sericite-pyrite-molybdenite stockwork development is exposed. Minor base metallization occurs peripherally. Calcareous units are skarnified and contain scheelite, powellite, chalcopyrite, and pyrrhotite.

WORK DONE: 1978 and 1979 – surface geological mapping, 1:5000; and 34 rock and 4 silt samples, covering Hatsoff 1-4.

REFERENCES: Mineral Inventory 82K/SE-61; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 73; Assessment Report 7534.

GREEN RIDGE (Fig. E-1, NTS 82, No. 172)

LOCATION: Lat. 50° 29′ Long. 116° 15′ (82K/8)
GOLDEN M.D. Sixteen kilometres west of Windermere, at the headwaters of the northern branches of Springs Creek.

CLAIMS: GREEN RIDGE 1 to 6, 11, 12.

OWNER: J. KOMPERDO, Box 61, Lundbreck, Alberta T0K 1H0.

METALS: Copper, silver.

WORK DONE: Nine pits and 10 samples analysed for copper, gold, and silver, on Green Ridge 2-4; four pits and 3 samples, on Green Ridge 11 and 12.

REFERENCES: Mineral Inventory 82K/SE-68; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 78.

GROTTO (Fig. E-1, NTS 82, No. 173)

LOCATION: Lat. 50° 34′ Long. 116° 21′ (82K/9W)
GOLDEN M.D. Twenty-three kilometres west-northwest of Invermere, extending northward from Horsethief Creek, opposite the mouth of Gopher Creek.

CLAIMS: GROTTO 1 to 25.

OWNER: GROTTO SILVER MINES LTD., 197 Howard Street, Kimberley V1O 1K0.

METALS: Zinc, lead, silver.

WORK DONE: Surface diamond drilling, 106 metres; trenching; and geochemical survey, 100 soil samples, covering Grotto 5 and 11.

REFERENCES: Mineral Inventory 82K/NE-17; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 79.

BIG (Fig. E-1, NTS 82, No. 176)

LOCATION: Lat. 50° 35′ Long. 117° 28′ (82K/11W)
REVELSTOKE M.D. Twenty-five kilometres southeast of Beaton, on the south side of Beaton, on the side of Trout Lake at Bigger Creek.

CLAIMS: BIG 1 (12 units), BIG 2 (20 units).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

DESCRIPTION: The Big claims are underlain by sedimentary rocks of the Milford Group, Late Paleozoic age, and intrusive rocks from the northern edge of the Mount Hadow stock. Small stocks and sills intrude the Milford sedimentary rocks. The Milford Group contains limestone, metasandstone and siltstone, and grey phyllite. No mineral occurrence is known.

WORK DONE: Prospecting and geochemical survey, 18 soil and 2 rock samples analysed for copper, molybdenum, lead, zinc, and silver, covering both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 81; Assessment Report 7195.

TRIUNE, MORNING STAR (Fig. E-1, NTS 82, No. 177)

LOCATION: Lat. 50° 38' Long. 117° 21' (82K/11W)
REVELSTOKE M.D. Twenty-nine kilometres east-southeast of Beaton, on Triune Mountain and along Triune and Lardeau Creeks.

CLAIMS: SILVER BASIN, TRIUNE 1 to 7, FREE COINAGE (Lot 1588), MORNING STAR (Lot 4574), COPPER GLANCE, HELCO Fraction, HELCO, KING 1.

OWNER: J. M. Alston (in trust).

OPERATOR: AMERICAN CHROMIUM LIMITED, 217, 513 Eighth Avenue SW, Calgary, Alberta T2P 1G3.

METALS: Lead, copper, zinc, gold, silver, (nickel, cadmium).

DESCRIPTION: The geologic formations in this area include limestone, quartzite, grit, phyllite, schist, and pyroclastic and flow rocks of the Lardeau Formation which are believed to be of Paleozoic age.

WORK DONE: 1978 – prospecting and sampling.

REFERENCES: Mineral Inventory 82K/NW-26, 98, 118, 119, 221; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 45, pp. 56, 78; *Minister of Mines, B.C.*, Ann. Rept., 1914, pp. K303-K305; Assessment Report 7324.

SILVER CHIEF (Fig. E-1, NTS 82, No. 175)

LOCATION: Lat. 50° 41' Long. 117° 17' (82K/11W)
REVELSTOKE M.D. Seventeen kilometres east of Ferguson, on the northeast side of Index Creek, 2 kilometres north of Redcliff Peak.

CLAIMS: SILVER CHIEF 1 to 4.

OWNER: TACOMA RESOURCES LTD., 411, 850 West Hastings Street, Vancouver.

METALS: Lead, silver.

DESCRIPTION: The claims lie within the lime dyke mineral belt of the Lardeau district of which the most common deposits contain pods, lenses, and veins of mineralization replacing limestone. The mineralization is in the Lade Peak limestone.

WORK DONE: 1978 – ground electromagnetic survey, 6.6 kilometres, covering most of the property.

REFERENCES: Mineral Inventory 82K/SW-39; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 82; Assessment Reports 360, 6808, 7472.

MIKE, CRAIG (Fig. E-1, NTS 82, No. 178)

LOCATION: Lat. 50° 37′–50° 40′ Long. 117° 33′–117° 39′ (82K/12E)
REVELSTOKE M.D. On the northwestern end of Trout Lake covering Humphries and Asher Creeks.

CLAIMS: ASH 1 (20 units), HUM 1 (20 units), HUM 2 (8 units), HUM 3 (16 units), HUM 4 (2 units), HUM 5 (20 units), HUM 6 (8 units), HUM 7 (16 units), HUM 8 to 11 (20 units each).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

METALS: Lead, zinc, silver, molybdenum.

DESCRIPTION: The claims are underlain by phyllites and schists of the Lardeau and Milford Groups on the northern margin of the Kuskanax batholith. Quartz veins and pyrite are locally abundant within the metasedimentary rocks.

WORK DONE: 1978 – geochemical survey, 202 soil samples analysed for lead and zinc and 14 silt samples analysed for molybdenum and tungsten, covering all claims; 1979 – surface geological mapping and geochemical survey, 350 samples, covering Hum 1, 2, 7-11.

REFERENCES: Mineral Inventory 82K/NW-96, 147; *Minister of Mines, B.C.*, Ann. Rept., 1914, p. K 318; 1973, p. 96; Assessment Report 7376.

TROUT LAKE (LUCKY BOY, COPPER CHIEF) (Fig. E-1, NTS 82, No. 181)

LOCATION: Lat. 50° 38′ Long. 117° 36′ (82K/12E)
REVELSTOKE M.D. Centred 4 kilometres west of Trout Lake village, along Wilkie Creek and southward to Trout Mountain.

CLAIMS: CH, XYZ, CD, BLUE JAY, DOUBTFUL (Lots 4741 to 4745), LUCKY BOY (Lot 5423), Mineral Lease M-24 (HORSESHOE, Lot 5324), ANEX, LUCKY BOY FR., LUCKY JAY 1 to 3, 6, 7, 9 to 11, ROVER 2 to 7, COPPER CHIEF MOLY, COPPER CHIEF MOLY 1 and 2, TL 1 to 16, FOG 1 and 2.

OWNERS: A. E. Marlow and Newmont Mines Limited.

OPERATOR: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

METAL: Molybdenum.

DESCRIPTION: A molybdenum deposit is associated with a small granodiorite stock that intrudes a sequence of argillite, phyllite, siliceous schists, and carbonates. Molybdenite is associated with stockworks of quartz veinlets in both the stock and country rocks.

WORK DONE: Surface geological mapping, 1:6000, covering all claims; surface diamond drilling, 15 NQ holes totalling 6 987 metres, on CH, Anex, Lucky Jay 1, 6, Copper Chief Moly, Copper Chief Moly 1; underground work, 1 adit, totalling 197 metres, on TL 1; 7 trenches, totalling 450 metres, on Copper Chief Moly 1, Lucky Jay 6; control and claim survey.

REFERENCES: Mineral Inventory 82K/NW-3, 4, 87; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 45, pp. 59-64; Exploration in B.C., 1978, pp. E 83, E 84; Assessment Reports 5598, 6094.

LEMAR (Fig. E-1, NTS 82, No. 182)

LOCATION: Lat. 50° 40' Long. 117° 40' (82K/12E)
REVELSTOKE M.D. Ten kilometres south-southeast of Beaton from Mount Murray and along Beaton and Fullmer Creeks.

CLAIMS: LEMAR 1, 3, 4, 5, 7 to 18, ED 1 (115 units).

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

DESCRIPTION: Bedrock on the claims consists of northwest-striking vertically dipping Cambrian to Devonian marine sedimentary rocks and minor basic volcanic rocks (Lardeau Group) in Trout Lake Valley flanked on either side by younger marine sedimentary rocks of the Mississippian Milford Group. Black phyllites are the predominant lithology. Mineral occurrences on the property consist of minor crosscutting quartz veins with pyrite and rare galena and sphalerite.

WORK DONE: Geological mapping, 1:5000 and 1:10 000, and geochemical survey, 533 soil and silt samples and 70 rock samples (silt samples analysed for molybdenum, copper, silver, lead, and zinc), covering all claims; surface diamond drilling, 1 NQ hole, totalling 177.5 metres, on Lemar 3; geochemical survey, 70 rock samples taken, covering all claims.

REFERENCE: Assessment Report 7668.

RAIN (Fig. E-1, NTS 82, No. 180)

LOCATION: Lat. 50° 42' Long. 117° 43' (82K/12E)
REVELSTOKE M.D. Five kilometres south of Beaton, along the south side of Pearson Creek.

CLAIMS: RAIN 1, RAIN 2 (14 units each).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

DESCRIPTION: The claims are underlain by metasedimentary and volcanic rocks of the Lardeau Group, Early Cambrian to Middle Devonian (or older) age. This sequence has been intruded by small stocks of quartz diorite of unknown age. Grey phyllite and quartz biotite schist are the predominate rock units. Interbedded with these are limestone, dolomite, greenstone, and quartzite. No mineralization has been found in place.

WORK DONE: Surface geological mapping, 1:3000; geochemical survey, 146 soil, 6 silt, and 5 rock samples analysed for copper, molybdenum, lead, zinc, and silver, covering Rain 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 85; Assessment Reports 7049, 7769.

BEATRICE Fig. E-1, NTS 82, No. 179)

LOCATION: Lat. 50° 44' Long. 117° 33' (82K/12E)
REVELSTOKE M.D. Twelve kilometres east of Beaton between Mountain Goat and Mohawk Creeks.

CLAIMS: DONALD O (Lot 11306), MAYMIE MACK (Lot 11307), MINAR (Lot 11308), IRON MASK (Lot 11309), BEATRICE (Lot 4586), FOLSOM (Lot 4587).

OWNER: E. Enepey.

OPERATOR: ARCH MINING AND MILLING LTD., Box 784, Kaslo.

METALS: Silver, lead, zinc, copper.

DESCRIPTION: Sulphides occur in irregular quartz veins containing minor calcite and inclusions, along slips and shears in carbonaceous schists, generally converted to graphitic schists along veins.

WORK DONE: 1978 – geochemical survey, 242 soil samples analysed for zinc, lead, and silver, covering Beatrice, Folsom, Minar, Maymie Mack.

REFERENCES: Mineral Inventory 82K/NW-40; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 196; Assessment Report 7207.

OYSTER, CRITERION, EVA (Fig. E-1, NTS 82, No. 183)

LOCATION: Lat. 50° 48' Long. 117° 37' (82K/13E)
REVELSTOKE M.D. Nine kilometres northeast of Beaton, immediately east of Camborne, between Pool and Selkirk Creeks.

CLAIMS: OYSTER (Lot 5416), CRITERION (Lot 5417), EVA (Lot 5172), MASCOTTE FR. (Lot 5418), GOLD FLY (Lot 5421), BLUE JAY (Lot 5184), ROSSLAND (Lot 4775)), HIGHLAND MARY (Lot 5171), WEDGE FR. (Lot 5176), IRON DOLLAR (Lot 5173), STOCKHOLM (Lot 6934), STOCKHOLM FR. (Lot 5424), JOKER (Lot 5404), LAST CHANCE (Lot 5174), CHOLLA (Lot 5399), SLEVENAMON (Lot 4761), BALFOUR (Lot 4777).

OWNER: MADISON OILS LIMITED, 508, 630 Eighth Avenue SW, Calgary, Alberta T2P 1G6.

METALS: Gold, (silver).

DESCRIPTION: Four main veins (Eva A, Eva B, Criterion, and Oyster–Lucky Jack) contain free and milling gold in quartz. The veins cut slates, phyllites, and schists of the Precambrian Lardeau series.

WORK DONE: Road construction and sampling,.

REFERENCES: Mineral Inventory 82K/NW-65, 66, 143; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 85; Assessment Reports 5172, 7013.

SIRDAR (Fig. E-1, NTS 82, No. 184)

LOCATION: Lat 50° 51' Long. 117° 34' (82K/13E)
REVELSTOKE M.D. Sixteen kilometres northeast of Beaton, between the headwaters of Kid and Ruby Silver Creeks.

CLAIMS: SIRDAR (Lot 6471), CRESCENT (Lot 6472), EMPIRE FR. (Lot 6474).

OWNER: S. B. FULTON, 6719 Lakes Road, Duncan V9L 1M3.

DESCRIPTION: Limy bands occur in a chloritic schist of the Lardeau series. Mineralization is in discontinuous pods and lenses in the limy beds.

WORK DONE: Pace and compass mapping of outcrop exposures, 1:1000, covering all claims.

MAD (Fig. E-1, NTS 82, No. 187)

LOCATION: Lat 50° 58' Long. 117° 23' (82K/14W)
SLOCAN M.D. Thirty-four kilometres northeast of Beaton, covering Mount Ahab, Pequod Mountain, Moby Dick Mountain, and Mount Proteus.

CLAIMS: PEQUOD 1 to 6 (110 units).

OWNERS: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6 and NORANDA EXPLORATION COMPANY, LIMITED, 1050 Davie Street, Box 2380, Vancouver.

METAL: Molybdenum.

DESCRIPTION: Molybdenite occurs as dissemination and in quartz-sericite veins with and peripheral to a high-level alaskite porphyry plug which intrudes the Battle Range batholith.

WORK DONE: Surface diamond drilling, 1 NQ-BQ hole, totalling 882.7 metres, on Pequod 1, 2.

REFERENCES: Mineral Inventory 82K/NW-167; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 86.

FARSIDE, FERN & EVELYN (Fig. E-1, NTS 82, No. 186)

LOCATION: Lat. 50° 46' Long. 117° 10' (82K/14E)
SLOCAN M.D. Thirty-eight kilometres east of Beaton, along the Duncan River at Stevens Creek.

CLAIMS: FOX 1 to 8, SCOT 1 to 8, MOLY 1, DUNCAN 1 to 4 (50 units).

OWNER: Sherlynn Mines Limited.

OPERATOR: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Molybdenum, tungsten.

DESCRIPTION: Precambrian and Lower Cambrian schists and quartzites have been hornfelsed, skarned, and intruded by a leucoquartz monzonite stock. Scheelite occurs in the hornfels and skarn, and molybdenite occurs in quartz veins that cut all rock types.

WORK DONE: Surface geological mapping, 1:5000, 1:2000, covering Fox 1-8, Scot 1-8, Duncan 1, 2; geochemical survey, 406 soil samples analysed for molybdenum, copper, nickel, cobalt, iron, manganese, silver, lead, zinc, and tungsten, covering Fox 1-8, Scot 1-4, and Duncan 1, 2; surface diamond drilling, 1 NQ hole, totalling 435 metres, on Fox 1 and Duncan 2; induced polarization survey, 10 kilometres, covering Duncan and Fox; and 14 silt and 7 rock samples analysed for multielements, covering Duncan and Fox.

REFERENCES: Mineral Inventory 82K/NW-67, 206; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 463; Assessment Report 7695.

PLUG (Fig. E-1, NTS 82, No. 185)

LOCATION: Lat. 50° 48' Long. 117° 10' (82K/14E)
SLOCAN M.D. Thirty-one kilometres northeast of the community of Trout Lake, 2 kilometres northeast of the confluence of the Duncan and Westfall Rivers.
CLAIMS: PLUG 1 and 2.
OWNER: O. JANOUT, 310, 1509 Martin Street, White Rock.
WORK DONE: 1978 – prospecting.
REFERENCE: Assessment Report 7331.

ATLAS, RR (Fig. E-1, NTS 82, No. 188)

LOCATION: Lat. 50° 56' Long. 116° 57' (82K/15W)
GOLDEN M.D. Forty-one kilometres west of Spillimacheen, extending south from the Ruth Vermont property, on Crystal Creek, the northern tributary of Crystalline Creek.
CLAIMS: RR 1 to 24, BR 2, 3, 6, 8, 10, RVR 1 to 5, 7 to 10, ML 1 and 2.
OWNERS: Norcen Energy Resources Limited and Cochrane Oil and Gas Ltd.
OPERATOR: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta.
METALS: Lead, zinc, silver.
DESCRIPTION: The property is underlain by slates, argillites, quartz pebble conglomerate, quartzite, and minor limestone of the Proterozoic Horsethief Creek series.
WORK DONE: Linecutting, 9.3 kilometres; ground electromagnetic survey, 9.3 kilometres, covering all claims.
REFERENCES: Mineral Inventory 82K/NE-10; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 86; Assessment Reports 5446, 5869, 6257, 6744, 7409, 7663.

LUCK (Fig. E-1, NTS 82, No. 189)

LOCATION: Lat. 50° 57' Long. 116° 28' (82K/16W)
GOLDEN M.D. Eight kilometres northwest of Spillimacheen on the northeast slope of Jubilee Mountain.
CLAIMS: LUCK 1 to 12.

OWNER: ESTATE OF PETER KLAUI, c/o Mr. H. Prowse, Fenerty, Robertson, Prowse, Fraser & Hatch, 39th Floor, Bow Valley Square Two, 205 Fifth Avenue SW, Calgary, Alberta.

DESCRIPTION: There was very little bedrock exposure on the claims but when observed it was the McKay Formation. No economic minerals were observed.

WORK DONE: Geological reconnaissance; linecutting, 4.5 kilometres; and geochemical survey, 196 soil samples analysed for copper, lead, silver, and zinc, covering Luck 7-12.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 50; Assessment Reports 5013, 5876, 7348.

VERNON 82L

HARITZ (Fig. E-1, NTS 82, No. 190)

LOCATION: Lat. 50° 05' Long. 118° 17.5' (82L/1W)
SLOCAN M.D. Fifty-one kilometres east-southeast of Lumby, on the north side of Holding Creek.

CLAIMS: HARITZ 1, HARITZ 2.

OWNER: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.

DESCRIPTION: The claims are underlain predominantly by a porphyritic diorite porphyry which intrudes argillaceous metasedimentary rocks.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 202 samples analysed for copper, molybdenum, lead, and zinc, covering both claims.

FOX (Fig. E-1, NTS 82, No. 191)

LOCATION: Lat. 50° 09' Long. 118° 24' (82L/1W)
VERNON M.D. Forty-two kilometres east-southeast of Lumby, extending from the headwaters of Yeoward Creek to Yeoward Mountain.

CLAIMS: VERNA (20 units), NUGGET (10 units).

OWNERS: D. King, V. King, and H. Arnold.

OPERATOR: MURRAY RANKING DEVELOPMENTS LTD., 3302 – 22nd Street, Vernon V1T 4H7.

METALS. Lead, zinc, silver, gold.

DESCRIPTION: The claims overlie, in the main, an extensive series of dark argillitic rocks of Carboniferous age. Quartz veins carry pyrite, pyrrhotite, arsenopyrite, galena, and chalcopyrite.

WORK DONE: Stripping and trenching, 10 trenches, 150 cubic metres, on Nugget and 14 trenches, 300 cubic metres, on Verna.

REFERENCES: Mineral Inventory 82L/SE-20; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 87; Assessment Reports 5066, 5099, 7005.

GATE (Fig. E-1, NTS 82, No. 192)

LOCATION: Lat. 50° 04′ Long. 118° 38′ (82L/2E)
VERNON M.D. Thirty kilometres southeast of Lumby, extending north, south, and west from Bisson Lake.

CLAIMS: GATE 2, 4, 7, 8, 12 (20 units each).

OWNER: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2N 3K2.

DESCRIPTION: Biotite granodiorite of the Nelson batholith forms the basement rocks and is overlain in places by Tertiary sedimentary rocks and basalts.

WORK DONE: Surface geological mapping, 1:5000; ground magnetometer survey, 32 kilometres; resistivity induced polarization survey, 32 kilometres; spectrometer survey, 32 kilometres; fission track etch survey, 261 cups; geochemical survey, 50 water and silt samples analysed for uranium, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 87; Assessment Report 6682.

CRESCENT (Fig. E-1, NTS 82, No. 193)

LOCATION: Lat. 50° 09′ Long. 119° 07′ (82L/3E)
VERNON M.D. Sixteen kilometres southeast of Vernon between Wilma Lake and headwaters of Craster Creek.

CLAIMS: CRESCENT 1 (20 units), CRESCENT 2 (12 units), CRESCENT 3 (15 units).

OWNERS: Suncor Inc. and K. L. Daughtry & Associates Ltd.

OPERATOR: SUNCOR INC., 500 Fourth Avenue SW, Calgary, Alberta T2P 2V5.

DESCRIPTION: A northerly trending paleochannel beneath the basalt cap rocks was identified by diamond drilling. Miocene basalt is interbedded with poorly consolidated sedimentary rocks with up to 20 per cent carbonaceous material. This sequence rests on a regolith of basement Valhalla intrusive rock which does not contain significant uranium mineralization.

WORK DONE: Surface diamond drilling, 7 NQ holes, totalling 991 metres; geophysical survey, 991 metres; ground scintillometer survey; and geochemical survey, 84 water, 57 sediment, and 52 soil samples analysed for uranium, covering all claims.

CHANNEL (Fig. E-1, NTS 82, No. 194)

LOCATION: Lat. 50° 11′ Long. 119° 10′ (82L/3E)
VERNON M.D. Nine kilometres south-southeast of Vernon, extending northeasterly from King Edward Lake to Brewer and Craster Creeks.

CLAIMS: CHANNEL (20 units), CHANNEL 2 (20 units), CHANNEL 3 (6 units), CHANNEL 4 (6 units), CHANNEL 5 (20 units), CODY (16 units).

OWNER: K. L. Daughtry & Associates Ltd.

OPERATOR: BANQWEST RESOURCES LTD., 650, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: Tertiary paleochannels of Eocene and younger fluvial sedimentary rocks are overlain in places by Pliocene (?) basalt.

WORK DONE: Surface geological mapping, 1:10 000; grid establishment, 18 kilometres; ground gamma ray spectrometer survey, 18 kilometres; and geochemical survey, 339 soil samples analysed for uranium, covering Channel 2, 3, 5, Cody, 20 water samples analysed for uranium and HCO_3, 8 silt samples analysed for uranium, trenching, 5 trenches, approximately 200 cubic metres, covering Channel 2, 5, and Cody; and 10 rock samples analysed for uranium and thorium, covering Channel 5 and Cody.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 89; Assessment Reports 6408, 6483, 6487, 6914, 7666.

ECHO (Fig. E-1, NTS 82, No. 197)

LOCATION: Lat. 50° 04' Long. 119° 18' (82L/3W)
VERNON M.D. Seven kilometres southeast of Oyama, between Echo Lake, Oyama Lake, and Clark Creek.

CLAIMS: ECHO 1 to 4 (67 units).

OWNER: E&B EXPLORATIONS LTD., 3015, 400 Fourth Avenue SW, Calgary, Alberta.

WORK DONE: 1978 – surface diamond drilling, 2 NQ holes, totalling 153 metres, and radiometric drill-hole probing, on Echo 3 and 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 90; Assessment Reports 6646, 7205.

REEF (Fig. E-1, NTS 82, No. 196)

LOCATION: Lat. 50° 04' Long. 119° 19' (82L/3W)
VERNON M.D. Twenty kilometres south of Vernon, extending from Oyama Lake southward along Clark Creek (mainly the west side) to Horse Creek.

CLAIMS: REEF 1 to 10 (100 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue SW, Box 999, Calgary, Alberta T2P 2K6.

DESCRIPTION: Tertiary quartz pebble conglomerates and sands are overlain by Miocene basalt flow rocks and underlain by radioactive granitic rocks of the Nelson batholith. Exploration was conducted for uranium, however, only trace amounts of gold were found in several holes in the Tertiary pre-basalt channel gravels.

WORK DONE: Rotary and percussion drilling, 1 030 metres, and radiometric drill-hole probing for uranium and gold, on Reef 1, 2, 3, 6, and 7.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 90; Assessment Reports 6631, 6944, 7700.

NOVA, TICK (Fig. E-1, NTS 82, No. 195)

LOCATION: Lat. 50° 04′ Long. 119° 25′ (82L/3W)
VERNON M.D. Between Oyama and Okanagan Centre, on the west side of Wood Lake.
CLAIMS: WOODSDALE 1 (16 units), WOODSDALE 2 (3 units), WOODSDALE 3 (8 units), WOODSDALE 4 (3 units).
OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.
METAL: Molybdenum.
DESCRIPTION: Pyrite and molybdenite occur in quartz veinlets cutting an argillized quartz feldspar porphyry plug of Early Tertiary age.
WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 272 soil samples analysed for copper, zinc, molybdenum, and manganese, covering all claims.
REFERENCES: Mineral Inventory 82L/SW-2, 3; Assessment Reports 1208, 1209, 1694, 1817.

BALD (Fig. E-1, NTS 82, No. 201)

LOCATION: Lat. 50° 04′ Long. 119° 33′ (82L/4E)
VERNON M.D. Seven kilometres west of Okanagan Centre, at the headwaters of Bald Range Creek.
CLAIMS: BALD 1 (12 units), BALD 2 (20 units), BALD 3, 4 (15 units each).
OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.
DESCRIPTION: Most of the property is underlain by a Late Jurassic intrusion of heterogeneous quartz monzonite. A diorite phase is common in the southern portion of the property. Eocene basalt is found at a few locations along the western boundary of the property.
WORK DONE: Linecutting, 58.9 kilometres; surface geological mapping, 75.5 kilometres; geochemical survey, 1 269 soil, 33 bog, and 103 rock chip samples analysed for uranium and 39 rock samples analysed for thorium; ground radiometric survey, 75.5 square kilometres, covering all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 91; Assessment Report 7332.

AT, DUN (Fig. E-1, NTS 82, No. 200)

LOCATION: Lat. 50° 06′ Long. 119° 42′ (82L/4E)
VERNON M.D. Thirty-five kilometres southwest of Vernon, covering the headwaters of Terrace Creek and extending from the south side of Shorts Creek to the north side of Sandberg.
CLAIMS: ESPERON 1 (15 units), ESPERON 2 (18 units), ESPERON 3 (15 units), ESPERON 4 to 6 (18 units each), ESPERON 7 (20 units), ESPERON 8 (18 units), ESPERON 9 (16 units), ESPERON 10 (10 units), ESPERON 11 (20 units), ESPERON 12 (16 units), ESPERON

14 (12 units), ESPERON 15 (4 units), ESPERON 16 (10 units), ESPERON 17 (15 units), ESPERON 18 (2 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

METALS: Molybdenum, copper.

DESCRIPTION: Pyrite and traces of molybdenite and chalcopyrite occur in quartz veinlets cutting quartz monzonite porphyry of Jurassic age.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 1 186 soil samples analysed for copper, zinc, and molybdenum; and linecutting, 127 kilometres, covering all claims.

REFERENCES: Mineral Inventory 82L/SW-51; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 79; Assessment Reports 1071, 4133, 7753.

WHITE ELEPHANT (Fig. E-1, NTS 82, No. 198)

LOCATION: Lat. 50° 09′ Long. 119° 33′ (82L/4E)
VERNON M.D. Twenty-four kilometres southwest of Vernon, 4 kilometres west of Okanagan Lake and 2 kilometres east-northeast of the junction of McMullen and Shorts Creeks.

CLAIM: WHITE ELEPHANT (Lot 4880).

OPERATOR: B. T. MULOIN, RR 3, Salmon Arm V0E 2T0.

METALS: Gold, silver, tungsten, bismuth, tellurium.

DESCRIPTION: Lenses of pyrrhotite and veinlets of pyrite and chalcopyrite, all of which have been partially replaced by tetradymite, occur in a body of vitreous quartz.

WORK DONE: Linecutting; surface geological mapping; and ground magnetometer survey, 20.75 kilometres, covering White Elephant.

REFERENCES: Mineral Inventory 82L/SW-42; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 92; *Geol. Surv., Canada*, Summ. Rept., 1931, pp. 86-90;

LOCH (Fig. E-1, NTS 82, No. 199)

LOCATION: Lat. 50° 13′ Long. 119° 36′ (82L/4E)
VERNON M.D. Twenty-three kilometres west-southwest of Vernon, mostly south of Whiteman Creek and west of South Whiteman Creek.

CLAIMS: LOCH 1 (12 units), LOCH 2 (18 units), LOCH 3 (9 units), LOCH 4 (3 units), LOCH 5 (8 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

DESCRIPTION: Pyrite and molybdenite occur in quartz veinlets cutting argillized and sericitized quartz latite porphyry of Early Tertiary age.

WORK DONE: Surface geological mapping, 1:10 000; and linecutting, 22.6 kilometres, covering Loch 1-5; geochemical survey, 346 soil samples analysed for copper, zinc, and molybdenum, covering Loch 1-3, 5.

REFERENCES: Assessment Reports 1039 (Pat), 5692, 6052, 6572, 6738, 7811.

WHITEMAN (Fig. E-1, NTS 82, No. 202)

LOCATION: Lat. 50° 13' Long. 119° 39' (82L/4E)
VERNON M.D. Twenty-eight kilometres west-southwest of Vernon, on the south side of Whiteman Creek, east of Hudson Bay Creek.

CLAIMS: WHITEMAN 1 (6 units), WHITEMAN 2 (18 units), WHITEMAN III (9 units).

OWNER: Kennco Explorations, Western Limited.

OPERATOR: ESSEX MINERALS COMPANY, 1208, 7 King Street East, Toronto, Ontario M5C 1A2.

DESCRIPTION: Whiteman Creek crosses and exposes acid intrusive rocks, as a narrow east-west window, within flat-lying Tertiary volcanic rocks of the Kamloops Group.

WORK DONE: Geological mapping; geochemical survey, 60 rock samples analysed for lead, zinc, molybdenum, manganese, fluorine, and tungsten; ground magnetometer survey.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 93; Assessment Reports 6738, 7397.

ALFY, BEAR (Fig. E-1, NTS 82, No. 204)

LOCATION: Lat. 50° 01' Long. 119° 47' (82L/4W; 82E/13)
VERNON and NICOLA M.D. Twenty-four kilometres west of Okanagan Centre, covering Dome Rock Mountain, Whiterocks Mountain, and extending southeastward to 2 kilometres north of Lambly Lake.

CLAIMS: TAD 1 (16 units), TAD 2 (3 units), TAD 3 (10 units), TAD 4 (20 units), TAD 5 (3 units), TAD 6 (4 units), TAD 7 (15 units), TAD 8 (16 units), TAD 9, 10 (8 units each), TAD 11 (10 units), TAD 12 (8 units), TAD 14 (6 units), TAD 15 (10 units), TAD 16 (12 units), TAD 17 (12 units), TAD 18 (16 units), TAD 19 (4 units), TAD 20 (8 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

METALS: Copper, molybdenum.

DESCRIPTION: Molybdenite and pyrite occur in quartz veinlets in a quartz porphyry stock. Chalcopyrite, pyrite, and magnetite occur in pyroxenite 1 500 metres to the southeast of the molybdenum area.

WORK DONE: Surface geological mapping, 1:5000, 1:10 000; geochemical survey, 1 808 soil samples analysed for copper, zinc, and molybdenum, covering Tad 1-12, 14, 15, 19 and 44 rock and 42 silt samples analysed for copper, platinum, and palladium; percussion drilling, 37 vertical holes, totalling 2 683 metres, on Tad 1 and 6; surface diamond drilling, 3 vertical NQ holes, totalling 805 metres, on Tad 1; ground magnetometer survey, 9.5 kilometres; induced polarization survey, 13.5 kilometres.

REFERENCES: Mineral Inventory 82L/SW-5, 9; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 93; Assessment Reports 1896, 2255, 5341, 5568, 6732, 72[illegible]9, 7596.

BEST (Fig. E-1, NTS 82, No. 203)

LOCATION: Lat. 50° 01' Long. 119° 51' (82L/4W)
NICOLA and VERNON M.D. Thirty kilometres west of Okanagan Centre, covering Eileen Lake.

CLAIMS: BETTER (6 units), GOOD (6 units), BEST (8 units), HOPE (1 unit), SUN (1 unit), SAT (2 units), AX 1 to 3 (4 units each).

OWNER: H. WESSEL, Box 48296, Bentall Centre Postal Station, Vancouver V7X 1A1.

DESCRIPTION: The area is underlain primarily by Paleozoic metasedimentary rocks of the Cache Creek Group including greenstone, quartzite, and limestone, and Precambrian sedimentary rocks of the Chapperon Group.

WORK DONE: Ground magnetometer survey, 8.35 kilometres, covering Best 1-3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 94; Assessment Reports 7092, 7329.

HUDSON (Fig. E-1, NTS 82, No. 206)

LOCATION: Lat. 50° 11' Long. 119° 44' (82L/4)
VERNON M.D. Thirty-four kilometres west-southeast of Vernon, on the headwaters of Hudson Bay Creek and on Hudson Bay Lake.

CLAIMS: HUDSON 1 (18 units), HUDSON 2 (8 units), HUDSON 3 (12 units).

OWNER: K. L. Daughtry & Associates Ltd.

OPERATOR: BANQWEST RESOURCES LTD., 650, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by Jurassic (?) plutonic and Tertiary volcanic and sedimentary rocks. A porphyritic and coarse-grained Valhalla granite of Jurassic (?) age occurs in the north, west, and south parts of the property.

WORK DONE: Surface geological mapping, 1:5000; grid establishment, 6.8 kilometres; geochemical survey, 38 water and 125 soil samples analysed for uranium, 31 silt samples analysed for uranium and molybdenum, and 17 rock samples analysed for uranium and thorium and 3 also analysed for molybdenum; and gamma ray spectrometer survey, 6.8 kilometres, covering all claims.

REFERENCE: Assessment Report 7525.

JIM (Fig. E-1, NTS 82, No. 207)

LOCATION: Lat. 50° 24' Long. 119° 47' (82L/5W)
KAMLOOPS M.D. Eight kilometres south of Westwold, east of Salmon River, on Adelphi Creek.

CLAIMS: WOOD 1 (20 units), WOOD 2 (15 units), WOOD 3 (9 units), WOOD 4 (12 units).

OWNER: J. M. Dawson.

OPERATOR: HUDSON'S BAY OIL & GAS COMPANY LIMITED, 700 Second Avenue SW, Calgary, Alberta T2P 0X5.

METALS: Molybdenum, tungsten.

DESCRIPTION: A small granodiorite pluton intrudes Cache Creek volcanic rocks and quartzites. Molybdenite occurs as small scattered grains and rosettes along fractures and as clots within vuggy quartz veins in the granodiorite and quartzite. Scheelite has been reported in quartz veins.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 209 soil and 16 rock samples analysed for copper, molybdenum, lead, zinc, and silver; induced polarization survey, 12.8 kilometres; and ground magnetometer survey, 15 kilometres, covering Wood 1.

REFERENCES: Mineral Inventory 82L/SW-52; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 80; Assessment Reports 7167, 7718.

KENNALLAN (BUM, YOKAHAMA) (Fig. E-1, NTS 82, No. 208)

LOCATION: Lat. 50° 26.5' Long. 119° 49' (82L/5W)
KAMLOOPS M.D. Centred 4.5 kilometres southwest of Westwold, on the west side of Salmon River.

CLAIM: MOLY (16 units).

OWNER: DENAR MINES LTD., 32885 South Fraser Way, Abbotsford V2S 2C4.

METALS: Molybdenum, (copper).

DESCRIPTION: The oldest rocks outcropping on the property appear to those hosting the mineralization, namely the Permian/Cache Creek Group sedimentary and metasedimentary rocks, consisting of cherty siltstones, argillites (hornfels), and limestone. The limestone is often recrystallized and/or altered to a diopside-garnet skarn. The skarn zones most often host the mineralization and sometimes carry such alteration minerals as calcite and wollastonite. Mineralization observed on the property is mainly as molybdenite and minor chalcopyrite occurring in massive to disseminated form, as blebs or rosettes of molybdenite and blebs or stringers of chalcopyrite.

WORK DONE: Surface diamond drilling, 3 holes totalling 70 metres, on all claims.

REFERENCES: Mineral Inventory 82L/SW-43, 45; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 95; Assessment Reports 282, 2360.

EAGLE (Fig. E-1, NTS 82, No. 205)

LOCATION: Lat. 50° 18' Long. 119° 39' (82L/5E)
VERNON M.D. Twenty-six kilometres west of Vernon on the north side of Bouleau Lake.

CLAIM: BEULAH (20 units).

OWNER: K. L. Daughtry & Associates Ltd.

OPERATOR: BANQWEST RESOURCES LTD., 650, 409 Granville Street, Vancouver V6C 1T2.

METAL: Molybdenum.

DESCRIPTION: Eocene sedimentary rocks are intercalated with andesites, dacites, and rhyolites. High radiometric readings associated with felsic tuffs are due to low concentrations of thorium.

WORK DONE: Trenching, 16 trenches, 233 cubic metres; geological mapping of trenches; geochemical survey, 26 rock samples analysed for uranium and thorium.
REFERENCE: Mineral Inventory 82L/SW-46.

AU (Fig. E-1, NTS 82, No. 267)

LOCATION: Lat. 50° 25′ Long. 119° 23′ (82L/6W)
KAMLOOPS M.D. Eighteen kilometres north-northwest of Vernon, 3.5 kilometres south of the confluence of Salmon River and Moffat Creek.
CLAIMS: AU 1 to 5 (1 unit each), AU 7 (1 unit), AU 12 (1 unit), AU 19 (1 unit), AU 100 (6 units).
OWNER: Keda Resources (1973) Ltd.
OPERATORS: A. BABIY and KEDA RESOURCES (1973) LTD., 1, 219 Victoria Street, Kamloops V2C 2A1.
METALS: Gold, silver, zinc, copper.
DESCRIPTION: Drilling intersected pyritic and fractured argillite, greywacke, volcanic tuff and dyke rocks, and veinlets of calcite and quartz.
WORK DONE: Surface diamond drilling, 3 holes, totalling 163.5 metres, on Au 4.
REFERENCES: Mineral Inventory 82L/SW-7; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 80; Assessment Reports 2516, 4797, 5863, 6197, 7837.

EF, DK, DCK (Fig. E-1, NTS 82, No. 251)

LOCATION: Lat. 50° 30′ Long. 118° 57.5′ (82L/7W)
VERNON M.D. Fourteen kilometres east-southeast of Enderby, just north of the intersection of Oleen Creek and a power line.
CLAIMS: NOMAD, MARTAK, EF 3 to 5.
OWNERS: C. Peacher, J. Peacher, and E. Peacher.
OPERATOR: C. PEACHER, RR 2, Enderby.
METAL: Copper.
DESCRIPTION: The underlying rocks are phyllite, quartzite, and other low-grade metamorphic rocks of the Monashee Group.
WORK DONE: Geochemical survey, approximately 360 soil samples analysed for copper and zinc, covering Nomad and Martak.
REFERENCES: Mineral Inventory 82L/SE-23; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 407; Assessment Report 7791.

ZETT, EAGLE (Fig. E-1, NTS 82, No. 209)

LOCATION: Lat. 50° 38′ Long. 119° 03′ (82L/11E)
VERNON M.D. Seventeen kilometres east-southeast of Salmon Arm and 3 kilometres east of the Shuswap River, extending from the headwaters of Bongard Creek to south of Lambert Creek.
CLAIMS: CLIFF (20 units), CLIFF 2 (12 units), CLIFF 3 (15 units).

OWNER: K. L. Daughtry & Associates Ltd.

OPERATOR: BANQWEST RESOURCES LTD., 650, 409 Granville Street, Vancouver V6C 1T2.

METAL: Nickel.

DESCRIPTION: A thick, block-faulted sequence of Eocene sedimentary and volcanic rocks overlie metamorphic and granitic rocks of the Cliff property. Basement rocks consist of quartzite, schist, gneiss, marble, phyllite, greenstone, pegmatite, and peridotite. Most exposures occur in the north part of the property.

WORK DONE: Surface geological mapping, 1:5000; grid establishment, 8 kilometres; and gamma ray spectrometer survey, 8 kilometres, covering Cliff, Cliff 2; geochemical survey, 156 soil samples analysed for uranium, covering Cliff, Cliff 2; 19 water samples analysed for uranium, pH, HCO$_3$ and 14 silt samples analysed for uranium, covering all claims; 3 rock samples analysed for uranium, covering Cliff.

REFERENCES: Mineral Inventory 82L/NW-39; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 97; Assessment Reorts 2510, 7338.

JEN JEN (Fig. E-1, NTS 82, No. 211)

LOCATION: Lat. 50° 43′ Long. 119° 25′ (82L/11W)
KAMLOOPS M.D. Ten kilometres west of Salmon Arm, at the headwaters of Apalmer and Gordon Creeks.

CLAIMS: JEN JEN 1 to 9 (129 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 333 Eighth Avenue SW, Calgary, Alberta T2P 2K6.

DESCRIPTION: Proterozoic metasedimentary rocks and Mesozoic granitic and associated dyke rocks underlie paleochannel sedimentary and Tertiary basaltic flow rocks. This is a favourable environment for basal-type uranium deposits.

WORK DONE: Linecutting, 33.2 kilometres, geological mapping, and ground magnetometer survey, covering Jen Jen 1-6, 8, 9; trenching and test pits, 53 205 square metres, on Jen Jen 1-5, 8; geochemical survey, 542 soil samples, covering Jen Jen 1-6, 8, 9.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 97; Assessment Reports 6982, 7580.

SYPHON (Fig. E-1, NTS 82, No. 210)

LOCATION: Lat. 50° 43′ Long. 119° 23′ (82L/11W, 14W)
KAMLOOPS M.D. Seven kilometres west-northwest of Salmon Arm, from Mount Tappan southward across Syphon Creek.

CLAIMS: SYPHON 1 to 3 (18 units each), SYPHON 4 (15 units).

OWNER: K. L. Daughtry & Associates Ltd.

OPERATOR: BANQWEST RESOURCES LTD., 650, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: On these claims, the Cretaceous granite batholith intrudes a sequence of sulphide-rich schist and quartzite of the Silver Creek Formation of the Mount Ida Group. A north-northeasterly zone of strong faulting and fracturing cuts both rock types.

WORK DONE: Surface geological mapping, 1:5000, covering Syphon 4; grid establishment, 13.6 kilometres, covering Syphon 1, 3, 4; geochemical survey, 16 rock samples analysed for uranium and thorium, covering Syphon 2, 3 water samples analysed for uranium and HCO_3, covering Syphon 1, 2, and 312 soil samples analysed for uranium, covering Syphon 1-4; gamma ray spectrometer survey, 13.6 kilometres.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 98; Assessment Reports 7319, 7806.

PTARMIGAN (Fig. E-1, NTS 82, No. 212)

LOCATION: Lat. 50° 46′ Long. 119° 33′ (82L/12E, 13E)
KAMLOOPS M.D. Twenty kilometres west-northwest of Salmon Arm, on the headwaters of Skimikin Creek, extending from west of Phillips Lake south to Bryden Lake.

CLAIMS: PTARMIGAN 1 (15 units), PTARMIGAN 2 (20 units), PTARMIGAN 3 (15 units), PTARMIGAN 4 (12 units), PTARMIGAN 5 (12 units).

OWNER: Suncor Inc. and K. L. Daughtry & Associates Ltd.

OPERATOR: SUNCOR INC., 500 Fourth Avenue SW, Calgary, Alberta T2P 2V5.

DESCRIPTION: The claims straddle a contact between Precambrian metamorphic rocks of the Chase Formation and the Silver Creek Formation that have been intruded by a batholithic body of granitic to granodioritic Coast intrusive rocks. These units are cut by parallel faults and granitic intrusive rocks.

WORK DONE: Geochemical survey, 255 water, 198 silt, and 3 715 soil samples analysed for uranium, covering Ptarmigan 1-5; geophysical survey, 20 kilometres, covering Ptarmigan 2-5.

REFERENCE: Assessment Report 7588.

BECA (TOM, GLEN, RHODE ISLAND) (Fig. E-1, NTS 82, No. 222)

LOCATION: Lat. 51° 01′ Long. 119° 42′ (82M/4E; 82L/13E)
Report on this property in section 82M/4E.

SCOTCH (Fig. E-1, NTS 82, No. 213)

LOCATION: Lat. 50° 57′ Long. 119° 31′ (82L/13E, 14W)
KAMLOOPS M.D. Nineteen kilometres northeast of Chase, extending east and west of Corning Creek, 6 kilometres north of the north shore of Shuswap Lake.

CLAIMS: SCOTCH (15 units), SCOTCH 2 (18 units).

OPERATOR: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, zinc.

DESCRIPTION: Disseminated and some massive sulphide mineralization occurs near the base of the ignimbrite (lowest) unit of the Eagle Bay Formation.

WORK DONE: Linecutting, 42 kilometres; horizontal loop electromagnetic survey, 41 kilometres; ground magnetometer survey, 43 kilometres; and surface diamond drilling (BQ), totalling 125 metres, covering both claims.

REFERENCES: Mineral Inventory 82L/NW-46; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 83, E 84; Assessment Reports 6237, 6419, 7691.

SABRE (Fig. E-1, NTS 82, No. 214)

LOCATION: Lat. 50° 52' Long. 119° 15' (82L/14E)
KAMLOOPS M.D. Twenty kilometres north of the community of Salmon Arm, south of the east end of White Lake.

CLAIM: SABRE 1 (20 units).

OPERATOR: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METAL: Copper.

DESCRIPTION: Minor disseminated chalcopyrite is found in Eagle Bay Formation metavolcanic and metasedimentary rocks.

WORK DONE: Linecutting, 30 kilometres; geochemical survey, 1 100 soil samples analysed for copper, lead, zinc, and silver; horizontal loop electromagnetic survey, 29 kilometres; and ground magnetometer survey, 28 kilometres, covering Sabre 1.

REFERENCES: Mineral Inventory 82L/NW-37, 59; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 83; Assessment Report 7755.

ARCL (Fig. E-1, NTS 82, No. 215)

LOCATION: Lat. 50° 51' Long. 118° 07' (82L/16E)
REVELSTOKE M.D. Seventeen kilometres south-southeast of Revelstoke, 1 kilometre south of the junction of Columbia River and Mulvehill Creek.

CLAIMS: ARCL 1 and 2.

OWNER: G. Allen.

OPERATOR: WOLLEX EXPLORATION LTD., 810, 715 Fifth Avenue SW, Calgary, Alberta.

WORK DONE: 1978 – prospecting and sampling, covering both claims.

REFERENCE: Assessment Report 7232.

SEYMOUR ARM 82M

OTTO (Fig. E-1, NTS 82, No. 218)

LOCATION: Lat. 51° 02′ Long. 119° 28′ (82M/3W)
KAMLOOPS M.D. East of Adams Lake, on Kwikoit Creek, 1 kilometre north of its junction with Scotch Creek.

CLAIMS: OTTO 1 to 6, BERN 1, 2, CORTES 1, 2, ELMAY 1, 2.

OWNERS: M. Riley, E. Ellingsen, M. Ellingsen, A. Ellingsen, B. Gagne, and F. Riley.

OPERATOR: M. RILEY, RR 1, Chase V0E 1M0.

WORK DONE: Road construction, 0.5 kilometre, on Otto 1 and 2; trenching and stripping, 2 trenches, total length 96 metres, on Otto 1.

RED FIR (Fig. E-1, NTS 82, No. 216)

LOCATION: Lat. 51° 05′ Long. 119° 24′ (82M/3W)
KAMLOOPS M.D. Sixty kilometres south-southeast of Vavenby, between Scotch and Kwikoit Creeks.

CLAIMS: RED (6 units), FIR (3 units), PAT (2 units), JOE (3 units), JIM (6 units), DON (2 units), MIKE (12 units), PHIL (4 units), JERRY (20 units), ROB (6 units), MACK (6 units), ROLY (20 units), SILVER GAL (6 units).

OWNER: ORELL COPPER MINES LTD., Box 457, Salmon Arm V0E 2T0.

METALS: Silver, lead, zinc.

DESCRIPTION: A volcanic exhalative, within limy beds, overlies the Sicamous Formation. Galena found at contact of rhyolite flow with lime (assays of 4 224 grams silver, 70 per cent lead, 4 per cent zinc). Geological mapping found a syncline with a granite intrusion apparently pushing the syncline to 60 to 70 degrees attitude. Galena was found on various horizons of the syncline usually with lime contacts.

WORK DONE: Surface geological mapping, 1:5000, covering Joe, Red, Jim, Silver Gal, Pat, Don, Mike, Fir, Jerry, Roly; geochemical survey, 500 samples analysed for silver, lead, and zinc, covering Red, Mike, Don, Pat, Silver Gal; prospecting, covering Joe, Silver Gal, Red, Jim.

REFERENCES: Mineral Inventory 82M/-54; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 102; Assessment Reports 2776 (Marge), 6388, 7371.

ASL (Fig. E-1, NTS 82, No. 217)

LOCATION: Lat. 51° 05′ Long. 119° 29′ (82M/3W)
KAMLOOPS M.D. Forty kilometres west-southwest of the community of Seymour Arm, 3 kilometres west of Kwikoit Creek, at the headwaters of Gash Creek.

CLAIM: ASL (12 units).

OWNER: ALPINE SILVER LTD., 205, 884 Bute Street, Vancouver.
DESCRIPTION: The property is underlain by easterly trending greenstone and chloritic phyllite, argillite, and massive crystalline limestone (Shuswap and Eagle Bay metamorphic rocks).
WORK DONE: Surface diamond drilling, 3 AX holes, totalling 137.5 metres, on ASL.
REFERENCE: Assessment Report 7571.

CU (Fig. E-1, NTS 82, No. 220)

LOCATION: Lat. 51° 00' Long. 119° 30' (82M/3W, 4E)
KAMLOOPS M.D. Adams Plateau, 12 kilometres south of Pisima Mountain, between the headwaters of Bowler and China Creeks, 3 kilometres west of Scotch Creek.
CLAIMS: BC 1 to 4, ZINC (52 units).
OWNER: ORELL COPPER MINES LTD., Box 457, Salmon Arm, V0E 2T0.
METALS: Silver, zinc, copper.
DESCRIPTION: Conformable bodies of massive sulphides, mostly pyrite and pyrrhotite with chalcopyrite and sphalerite, occur within a sequence of acidic to intermediate fragmental rocks, siliceous tuffites, of the Eagle Bay Formation. Mineralization is found in massive sulphides (magnetite, pyrrhotite) which have been folded.
WORK DONE: Surface diamond drilling (AQ), 611 metres, and surface geological mapping, 1:5000, covering Zinc, BC 2.
REFERENCES: Mineral Inventory 82M-138; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 101; Assessment Reports 5132, 6313, 6764, 6891.

BECA (TOM, GLEN, RHODE ISLAND) (Fig. E-1, NTS 82, No. 222)

LOCATION: Lat. 51° 01' Long. 119° 42' (82M/4E; 82L/13E)
KAMLOOPS M.D. On the east side of Adams Lake, extending southward from a point opposite Skwaam Bay.
CLAIMS: BECA 1 to 14 (89 units).
OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.
METALS: Copper, zinc, lead, silver.
DESCRIPTION: A felsic volcanic sequence, which includes a highly sericitized rhyolite, is intruded by and merges into underlying coeval granitic rocks and is overlain by an intermediate volcanic sequence with minor rhyolite and finally by mafic volcanic rocks. Horizons of disseminated to locally massive pyrite-pyrrhotite-chalcopyrite-sphalerite mineralization occurs within rhyolite and andesite. Quartz and chlorite stockwork veining with traces of sphalerite and galena occurs within the sericitized rhyolite.
WORK DONE: Geochemical survey, 126 soil samples analysed for copper, lead, zinc, covering Beca 8, 11, 12; horizontal loop electromagnetic survey, 4.7 kilometres and magnetometer survey, 5.75 kilometres, covering Beca 8,

11; surface diamond drilling, 7 BQ holes, totalling 661 metres, on Beca 7, 8, 10.

REFERENCES: Mineral Inventory 82M-54, 55, 113; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 102, E 103; Assessment Reports 1114, 4504, 6680, 6801, 7040, 7112, 7326, 7726.

OCT (Fig. E-1, NTS 82, No. 221)

LOCATION: Lat. 51° 03′ Long. 119° 35′ (82M/4E)
KAMLOOPS M.D. Adams Plateau, from the headwaters of Spillman Creek southeastward to Bowler Creek and northward to Gilfrid Lake.

CLAIMS: OCT 1 to 6 (110 units), OC 1 to 4 (65 units), AXL 1 (20 units).

OPERATOR: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Lead, zinc, silver, copper.

DESCRIPTION: Trenching and diamond drilling exposed chlorite schist, black argillite, graphitic quartzite, limestone, and metavolcanic rocks. Pyrite, magnetite, and minor chalcopyrite, galena, and sphalerite occur in quartz-carbonate veins and fractures.

WORK DONE: Surface diamond drilling, 2 AQ holes, totalling 1 292 metres, on Oct 1 and 4; ground magnetometer survey, 6 kilometres, covering OC 1-3, Oct 4; trenching, 1 trench, 25 metres, on AXL 1; 2 horizontal loop electromagnetic surveys, 4 kilometres, covering AXL 1, Oct 2; road construction, 1 kilometre, on AXL 1, Oct 4.

REFERENCES: Mineral Inventory 82M-13, 18, 68; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 103; Assessment Reports 45, 3220, 4936, 5176, 6513, 7019, 7693.

MOSQUITO KING (Fig. E-1, NTS 82, No. 219)

LOCATION: Lat. 51° 04′ Long. 119° 31′ (82M/4E)
KAMLOOPS M.D. Adams Plateau, 5 kilometres south-southeast of Pisima Mountain, east of the headwaters of Nikwikwaia Creek.

CLAIMS: MK 1 (20 units), MK 2 (10 units), MK 3 (12 units), MK 4 (4 units), A1 (1 unit), A2 (1 unit), FOX (4 units), HILTEC 1 and 2 (2 units).

OWNER: ORELL COPPER MINES LTD., Box 457, Salmon Arm V0E 2T0.

METALS: Silver, lead, zinc, (copper, gold).

DESCRIPTION: Galena was found in volcanic flow and sedimentary rocks. Detailed mapping of A1 and A2 veins established an east-west strike. Approximately 60 tonnes of ore was shipped from the A2 claim (2 veins about 2 metres thick).

WORK DONE: Surface geological mapping, 1:5000, covering A1 and A2; prospecting (checking outcrops from air photographs).

REFERENCES: Mineral Inventory 82M-16, 140; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 103, E 104; Assessment Reports 45, 69, 70, 3220, 4932, 5176, 6349, 6420, 6788, 6913.

CH (Fig. E-1, NTS 92, No. 223)

LOCATION: Lat. 51° 18′ Long. 120° 02′ (92P/8E; 82M/5W)
Report on this property in 92P/8E.

POP (Fig. E-1, NTS 82, No. 223)

LOCATION: Lat. 51° 21′ Long. 119° 45′ (82M/5W)
KAMLOOPS M.D. Twenty-five kilometres south of Vavenby, on the north side of Barriere River, 3 kilometres east of North Barriere Lake.
CLAIM: POP (4 units).
OWNER: D. BAUR, 2043 Valleyview Drive, Kamloops.
WORK DONE: Surface diamond drilling (IEX), 30.9 metres.
REFERENCE: Assessment Report 7532.

MEADOW 2 (Fig. E-1, NTS 82, No. 224)

LOCATION: Lat. 51° 28′ Long. 119° 11′ (82M/6E)
KAMLOOPS M.D. Thirty-nine kilometres east-southeast of Vavenby, 5 kilometres northeast of Tsikwustum Lake, on the west side of Meadow Creek.
CLAIM: MEADOW 2 (20 units).
OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.
WORK DONE: Geochemical survey, 20 soil, 24 silt, and 24 water samples analysed for uranium, covering Meadow 2.

KS (Fig. E-1, NTS 82, No. 225)

LOCATION: Lat. 51° 28′ Long. 118° 20′ (82M/8W)
REVELSTOKE M.D. Fifty kilometres north of Revelstoke, east of the settlement of Downie Creek, on Keystone Peak, south of Downie Creek, and north of the headwaters of Mars Creek.
CLAIMS: JEN 2 (20 units) JEN 5 (18 units), JEN 13 (20 units), JEN 14 (20 units), JEN 15 (20 units), STONE 1 (20 units), STONE 2 (18 units), STONE 4 (8 units), STONE 5 (20 units).
OWNER: CANADIAN NICKEL COMPANY LIMITED, 160, 10451 Shellbridge Way, Richmond V6X 2W8.
METALS: Lead, zinc, copper.
DESCRIPTION: Discontinuous narrow stratabound bands and lenses of sphalerite, galena, and pyrrhotite are hosted by quartz sericite schists. Graphitic horizons occur in close association and account for the electromagnetic conductors.
WORK DONE: Surface diamond drilling, totalling 233.2 metres, on Jen 5.
REFERENCES: Mineral Inventory 82M-89, 146; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 110; Assessment Reports 6603, 7177.

MEADOW (Fig. E-1, NTS 82, No. 228)

LOCATION:	Lat. 51° 31′ Long. 119° 09′ (82M/11E) KAMLOOPS M.D. Forty kilometres east-southeast, 3 kilometres southeast of Harbour Lake, south of Bower Creek.
CLAIM:	MEADOW 1 (9 units).
OWNER:	LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION:	The area is underlain by Shuswap metamorphic rocks. No outcrops of significant radioactivity were found.
WORK DONE:	Geochemical survey, 39 soil and 13 water samples analysed for uranium; and ground scintillometer survey, 8 kilometres, covering Meadow 1.

HARBOUR (Fig. E-1, NTS 82, No. 227)

LOCATION:	Lat. 51° 36′ Long. 119° 09′ (82M/11E) KAMLOOPS M.D. Forty kilometres east of Vavenby, 1 kilometre west of Dungeon Lake.
CLAIMS:	HARBOUR 1 and 2 (1 unit each), HARBOUR 3 (4 units), HARBOUR 4 (6 units).
OWNER:	LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION:	The claims are underlain by granitic gneisses and schists cut by pods of pegmatite and dykes of syenite. The pegmatite lenses are commonly 10 to 15 metres in length and 1 to 2 metres thick. They occur paralleling the schistosity of the granite and as infillings crosscutting along fractures. The rock units are included in the Shuswap Metamorphic Complex, presumably of Proterozoic age.
WORK DONE:	Geochemical survey, 111 soil, 12 silt, 11 water, and 6 rock samples analysed for uranium; radon gas scintillometry survey, 4 kilometres, covering Harbour 1 and 2.
REFERENCE:	Assessment Report 7688.

ADAMS (Fig. E-1, NTS 82, No. 226)

LOCATION:	Lat. 51° 38′ Long. 119° 12′ (82M/11E) KAMLOOPS M.D. Thirty-six kilometres east-northeast of Vavenby on the north side of Adams River between Wallace Creek and Camp Three Lakes.
CLAIM:	ADAMS 1 (20 units).
OWNER:	LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION:	The claim is underlain by granite gneisses and schists cut by veins and lenses of pegmatite and quartz. These rock units are included in the Shuswap Metamorphic Complex, presumably of Proterozoic age.

WORK DONE: Geochemical surveys, 193 soil, 46 silt, and 44 water samples analysed for uranium, covering Adams 1.

REFERENCE: Assessment Report 7688.

CARIBOO (Fig. E-1, NTS 82, No. 229)

LOCATION: Lat. 51° 35′ Long. 119° 21′ (82M/11W)
KAMLOOPS M.D. Twenty-eight kilometres east of Vavenby, on the south fork of Otter Creek, 8 kilometres north-northwest of Mica Lake.

CLAIM: SONJA 10 (3 units).

OWNER: RAFT RIVER RESOURCES CO. LTD., Box 70, Vavenby V0E 3A0.

METALS: Copper, molybdenum, gold.

DESCRIPTION: Copper and molybdenum occur in a volcanic rock which shows a residual brown rust in the soil below the deposit which may indicate a large deposit of the above minerals. At the top there is a vein of copper and molybdenum striking east-west.

WORK DONE: Ten test pits, 2 metres long, 2 metres wide, and 2 metres deep, on Sonja 10.

REFERENCES: Mineral Inventory 82M-39; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 112.

LEN (Fig. E-1, NTS 82, No. 234)

LOCATION: Lat. 51° 32′ Long. 119° 45′ (82M/12E)
KAMLOOPS M.D. Five kilometres south of Vavenby between Avery and Jones Creeks.

CLAIMS: LEN 1 (6 units), LEN 2 (4 units).

OPERATOR: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

DESCRIPTION: Limestone, chlorite, and sericite schists of the Eagle Bay Formation are found on the claims.

WORK DONE: Linecutting, 4.8 kilometres, covering both claims.

CRISSY (Fig. E-1, NTS 82, No. 233)

LOCATION: Lat. 51° 36′ Long. 119° 31′ (82M/12E)
KAMLOOPS M.D. Fourteen kilometres east of Vavenby on Reg Christie Creek.

CLAIM: CRISSY (1 unit).

OWNER: R. J. FRANKS, Box 70, Vavenby V0E 3A0.

WORK DONE: One trench and one test pit.

SONJA (BRENDA) (Fig. E-1, NTS 82, No. 230)

LOCATION: Lat. 51° 36′ Long. 119° 51′ (82M/12E)
KAMLOOPS M.D. Between Vavenby and Birch Island, on the north side of North Thompson River, near the mouth of Crossing Creek.

CLAIMS: SONJA 4 (1 unit), SONJA 13 (2 units).

OWNER: R. J. FRANKS, Box 70, Vavenby, V0E 3A0.
METALS: Gold, copper, silver, lead.
WORK DONE: Trenching, clearing of old adits, 10 metres long, 1 metre wide, and 1 metre deep; and 2 test pits, 1 metre long, 1 metre wide, and 1 metre deep, on Sonja 4; trenching, 2 trenches, 10 metres long; and 4 test pits, each 1 metre long, 1 metre wide, and 1 metre deep, on Sonja 13.
REFERENCES: Mineral Inventory 82M-36; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 114.

SONJA 14, SONJA 15 (Fig. E-1, NTS 82, No. 232)

LOCATION: Lat. 51° 39′ Long. 119° 41′ (82M/12E)
KAMLOOPS M.D. Seven kilometres north-northeast of Vavenby, immediately west of the North Thompson River and Irvine station.
CLAIMS: SONJA 14 (1 unit), SONJA 15 (1 unit).
OWNER: R. J. FRANKS, Box 70, Vavenby V0E 3A0.
WORK DONE: Four test pits, 1 metre long, 1 metre wide, and 1 metre deep, 2 on Sonja 14 and 2 on Sonja 15, and trenching, 5 metres long, 1 metre wide, and 1 metre deep, on Sonja 14 and an equal amount on Sonja 15.

GABRO (Fig. E-1, NTS 82, No. 231)

LOCATION: Lat. 51° 39′ Long. 119° 38′ (82M/12E)
KAMLOOPS M.D. Ten kilometres northeast of Vavenby, in the riverbed of the North Thompson River, 3 kilometres northeast of Irvine station.
CLAIM: SONJA 11 (2 units).
OWNER: R. J. FRANKS, Box 70, Vavenby V0E 3A0.
METALS: Gold, copper, silver, tungsten.
DESCRIPTION: Copper, gold, and silver occur in an intrusive rock exposed in the bottom of the North Thompson River over a large area, visible in the fall when the water is low. Copper and tungsten mineralization occurs on the south side of a newly built road (Forestry Road No. 30) above the river.
WORK DONE: Stripping by bulldozer, 20 metres long, 8 metres wide, and 3 metres deep, on the side of the new road.
REFERENCES: Mineral Inventory 82M-128; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 113.

FOGHORN, FH (Fig. E-1, NTS 82, No. 237)

LOCATION: Lat. 51° 32′ Long. 119° 56′ (82M/12W)
KAMLOOPS M.D. About 5 kilometres south of Birch Island.
CLAIMS: RH 1 to 4 (1 unit each), LH 1 to 4 (1 unit each), FH 2, 4, 18, 20 (1 unit each), FOGGY 1 to 6 (97 units), FOGGY 8 to 11 (54 units).
OWNERS: Barrier Reef Resources Ltd. and Craigmont Mines Limited.

OPERATOR: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

METAL: Zinc, silver, (copper).

DESCRIPTION: The property is underlain by phyllites and quartz-chlorite-sericite schists of the Eagle Bay Formation and quartz feldspar porphyry intrusive rocks of the Baldy batholith (Cretaceous). Pyrite, pyrrhotite, and chalcopyrite in massive to disseminated bands and blebs occur in bedding foliations and fractures.

WORK DONE: Surface diamond drilling, 4 holes, totalling 365 metres, on Foggy 3, and 2 BQ holes, totalling 305 metres, on FH; VLF–EM survey, 10 kilometres; ground magnetometer survey, 10 kilometres; surface geological mapping, 1:5000 and geochemical survey, 230 soil and 36 rock samples analysed for copper, zinc, and silver, covering Foggy 2 and 3.

REFERENCES: Mineral Inventory 82M-8, 29, 30, 40, 41, 93, 108; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 98; Assessment Reports 1597, 1624, 1924, 3820, 4876, 7404, 7757, 7758, 7813.

BULLION (Fig. E-1, NTS 82, No. 235)

LOCATION: Lat. 51° 34′ Long. 119° 50′ (82M/12W)
KAMLOOPS M.D. Seven kilometres southeast of the village of Birch Island, on the south side of the North Thompson River, covering Lute, Baker, and Jones Creeks.

CLAIMS: CROWN 1 and 2 (20 units each), CROWN 3 (4 units), CROWN 4 (9 units), CROWN 5 (20 units), CROWN 6 (8 units), CROWN 7 and 8 (18 units each), CROWN 9 (12 units), CROWN 10 (2 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., Box 999, 335 Eighth Avenue SW, Calgary, Alberta T2P 2K6.

METALS: Uranium.

DESCRIPTION: The Crown claims are underlain by a sequence of volcanic flow and pyroclastic rocks of intermediate to felsic composition. Small beds and lenses of volcaniclastic sedimentary rocks occur within the volcanic pile. Graphitic phyllite beds are interlayered with the volcanic rocks. Trachyte underlies the northwestern part of the claim group.

WORK DONE: Surface geological mapping, 1:10 000; airborne electromagnetic and magnetometer survey, 170 kilometres; geochemical survey, 1 200 soil and silt samples analysed for uranium, copper, lead, zinc, and molybdenum, 100 water samples analysed for uranium, and 30 rock samples analysed for uranium, copper, lead, and zinc; and grid preparation, 70 kilometres, covering Crown 1-10; ground VLF–EM survey, 30 kilometres, covering Crown 1-8.

REFERENCES: Mineral Inventory 82M-34; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 100; Assessment Reports 5502, 6220, 7503, 7647.

CW (Fig. E-1, NTS 82, No. 236)

LOCATION: Lat. 51° 37′ Long. 119° 59′ (82M/12W)
KAMLOOPS M.D. Centred 5 kilometres southeast of Clearwater.

CLAIMS: CW 1 (5 units), CW 2 (20 units), CW 3 (5 units), CW 5 (1 unit), CLEAR 1 to 3 (20 units each).

OWNER: R. J. Franks.

OPERATOR: COMINCO LTD., 200 Granville Square, Vancouver V6C 1T2.

METAL: Copper.

DESCRIPTION: A hydrothermally altered zone within felsic volcanic rocks contains disseminated pyrite and trace chalcopyrite.

WORK DONE: Surface geological mapping, 1:10 000, covering all claims; geochemical survey, 752 soil and 27 silt samples analysed for copper, lead, and zinc, covering CW 2, 3, 5, Clear 1-3.

REFERENCES: Mineral Inventory 82M-159; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 115; Assessment Reports 6862, 7575.

JOSEPH (Fig. E-1, NTS 92, No. 224)

LOCATION: Lat. 51° 32′ Long. 120° 04′ (92P/9E; 82M/12W)
Report on this property in 92P/9E.

SI (Fig. E-1, NTS 82, No. 240)

LOCATION: Lat. 51° 46′ Long. 119° 43′ (82M/13E)
KAMLOOPS M.D. Twenty-two kilometres north of Vavenby, 2 kilometres southwest of Silence Lake.

CLAIM: SI 1 (20 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claim is underlain by metasedimentary and intrusive rocks of the Shuswap Metamorphic Complex. Exposure is quite poor over most of the claim, but pegmatites, monzonites, phyllites, marble, and calc-silicates are present.

WORK DONE: Geochemical survey, 516 soil and 3 silt samples and chain, compass, and altimeter control survey, covering entire claim.

REFERENCE: Assessment Report 7422.

SILENCE, LKY (Fig. E-1, NTS 82, No. 239)

LOCATION: Lat. 51° 49′ Long. 119° 34′ (82M/13E)
KAMLOOPS M.D. Seventeen kilometres west-northwest of Avola, 5 kilometres directly east of Silence Lake and extending northward to Stratton Creek.

CLAIMS: SILENCE 1 (12 units), SILENCE 2 (20 units), SILENCE 3 (20 units), LKY (20 units), LKY 2 (20 units).

OWNER: W. J. COULTER, 310, 885 Dunsmuir Street, Vancouver.

WORK DONE: Geochemical survey, 209 soil samples covering Silence 2, 22 covering Silence 1, and 327 covering LKY 2 and 29 silt samples covering Silence 2, 3 and 18 covering Silence 1; compass and chain grid, 2 000 metres by 1 400 metres covering LKY 2.

REFERENCES: Assessment Reports 7420, 7473, 7474.

BEAR (Fig. E-1, NTS 82, No. 238)

LOCATION: Lat. 51° 50′ Long. 119° 35′ (82M/13E) KAMLOOPS M.D. Nineteen kilometres west-northwest of Avola, east of Raft River and south of Stratton Creek.

CLAIMS: BEAR 1 to 8 (1 unit each).

OWNER: W. J. COULTER, 310, 885 Dunsmuir Street, Vancouver.

DESCRIPTION: The claims are thought to be underlain by schists of the Shuswap Metamorphic Complex. No outcrop was seen on the claims in the area traversed.

WORK DONE: Geochemical survey, 60 soil and silt samples, and compass and chain control survey, covering Bear 2-7.

REFERENCE: Assessment Report 7421.

BOULDER (Fig. E-1, NTS 82, No. 243)

LOCATION: Lat. 51° 50′ Long. 119° 41′ (82M/13E) KAMLOOPS M.D. Thirty kilometres north-northeast of Birch Island, 4 kilometres due north of Silence Lake, on Maxwell Creek.

CLAIMS: GOTCHA (1 unit), GOTCHA 2 (9 units), GOTCHA 3 (9 units).

OWNER: DIMAC RESOURCE CORP., 1326, 510 West Hastings Street, Vancouver V6B 1L8.

METAL: Tungsten.

DESCRIPTION: Alaskite and biotite-quartz monzonite intrude biotite schist, biotite quartzite, and calc-silicate rocks. Coarse-grained scheelite is found in two major skarn bands which appear to be limbs of a synform.

WORK DONE: Surface geological mapping, covering Gotcha and Gotcha 2; surface diamond drilling, 20 BQ holes, totalling 544 metres, on Gotcha 2.

REFERENCES: Mineral Inventory 82M-123; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 115, E 116; PAC Report 8; Assessment Report 4270.

BUG (Fig. E-1, NTS 82, No. 242)

LOCATION: Lat. 51° 52′ Long. 119° 41′ (82M/13E) KAMLOOPS M.D. Thirty-three kilometres north-northeast of Birch Island, 7 kilometres due north of Silence Lake on Maxwell Creek.

CLAIMS: MOSQUITO, MOSQUITO II to V, BUG, BUG II, MAX, MAX 3 to 8 (80 units).

OWNER: ST. JOSEPH EXPLORATIONS LIMITED, 5, 970 Laval Crescent, Kamloops V2C 5P5.

METALS: Copper, (lead, *zinc*).

DESCRIPTION: In the southern and eastern parts of the claims, low-grade chalcopyrite/molybdenite mineralization is found within metamorphic rocks of the Shuswap Metamorphic Complex. Some chalcopyrite mineralization, found in rusty float boulders on the Mosquito and Bug claims, is associated with calc-silicate minerals and, locally, magnetite. In the northern and eastern parts of the claims, pyrrhotite-chalcopyrite-galena-sphalerite mineralization (less than 1 per cent combined copper-lead-zinc) occurs in pelitic schists and is believed to represent a regionally metamorphosed syngenetic sulphide horizon.

WORK DONE: Linecutting, 17.4 kilometres, covering Bug, Mosquito, Mosquito II, IV, V, Max, and 28 kilometres covering Max 3-8; surface geological mapping, 1:5000, and geochemical survey, 1 130 soil and 149 silt samples analysed for copper, lead, and zinc, covering Max 3-8; percussion drilling, 7 holes, totalling 320 metres, on Mosquito II, IV.

REFERENCES: Mineral Inventory 82M-136; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 74; Assessment Reports 3935, 5836, 6071, 7561, 7812.

CK (Fig. E-1, NTS 82, No. 241)

LOCATION: Lat. 51° 55′ Long. 119° 34′ (82M/13E)
KAMLOOPS M.D. Twenty-three kilometres northwest of the Avola post office, along Raft River, northward and southward from Ritchie Creek.

CLAIMS: CK, RAFT, NORTH, ULO, PARK, STRAT (approximately 460 units and 2 post claims).

OPERATOR: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

METALS: Zinc, lead.

DESCRIPTION: The CK property is underlain by highly metamorphosed and deformed rocks of the Shuswap Metamorphic Complex. Three major general rock types are defined: amphibolite, calc-silicate gneiss, and biotite gneiss. Stratiform zinc/lead mineralization is confined to a single narrow deformed bed within the calc-silicate horizon.

WORK DONE: Surface geological mapping, 1:5000 and 1:20 000, covering all claims; surface diamond drilling, 18 holes, 2 768 metres, on CK 3, 4, 11, 48, 83, 84, North 46, ULO 4; induced polarization survey, 35.8 kilometres; and ground magnetometer survey, 32.6 kilometres, covering CK 6-8, 34, 39, 40, 42, 45, 46, 63, 69, 70-73, 75, 76, 78, 87-90, North 1, Raft 23-28, ULO 1-4, Park 1; geochemical survey, 8 003 samples, covering most of the group and 349 soil samples, covering CK 90.

REFERENCES: Mineral Inventory 82M-137; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 116; Assessment Reports 6756, 6909, 7213, 7299, 7423, 7644.

FINN (Fig. E-1, NTS 82, No. 262)

LOCATION: Lat. 51° 55′ Long. 119° 18′ (82M/14W)
KAMLOOPS M.D. Fifteen kilometres north of Avola, and 2 kilometres east of North Thompson River. The claims straddle a west-sloping ridge transected by eastward-flowing Finn Creek.

CLAIM: FINN 1 (18 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver.

DESCRIPTION: The claims are underlain by rocks of the Shuswap Metamorphic Complex, consisting of calc-silicate gneiss, pegmatites, and granodiorite. Sphalerite and galena occur in the calc-silicate rocks.

WORK DONE: Geochemical survey, 399 soil and 9 silt samples analysed for lead and zinc.

REFERENCE: Assessment Report 7744.

CANOE RIVER 83D

AEG, JTM (Fig. E-1, NTS 82, No. 295)

LOCATION: Lat. 52° 08′ Long. 119° 11′ (83D/3E)
KAMLOOPS M.D. Ten kilometres northeast of Blue River, at kilometre 14.2 on Redsand logging road.

CLAIMS: AEG 1, 2, JTM 1, 2.

OWNER: A. E. GRANT, 2429 Point Grey Road, Vancouver.

DESCRIPTION: Carbonatite is suspected within folded biotite gneiss rocks, emitting 9-times background radiation.

WORK DONE: 1978 and 1979 – prospecting, covering all claims.

REFERENCE: Assessment Report 7783.

INGRID (Fig. E-1, NTS 82, No. 296)

LOCATION: Lat. 52° 37′ Long. 119° 07′ (83D/11E)
KAMLOOPS M.D. Twenty-five kilometres south-southeast of Valemount, on the east side of the Albreda River and the north side of Robina Creek.

CLAIMS: INGRID 1 to 4, VAGN 1, 2 (6 units).

OWNERS: V. Trarup and I. Trarup.

OPERATOR: V. TRARUP, 861 Greenacres Road, Kamloops.

METAL: (Copper).

DESCRIPTION: Malachite occurs in fractured dark greenish grey hornblende mica schist.

WORK DONE: Prospecting and X-ray diamond drilling, 6 holes, totalling 20 metres, on Ingrid 2.

REFERENCE: Assessment Report 7597.

SOUTHWEST BRITISH COLUMBIA
(NTS Division 92 and part of 102)

VICTORIA 92B

SM (Fig. E-1, NTS 92, No. 1)

LOCATION: Lat. 48° 27′ Long. 123° 38′ (92B/5E)
VICTORIA M.D. Eleven kilometres northwest of the town of Sooke, 2 kilometres west of Shields Lake, on the east fork of Charters River.
CLAIM: SM 1 (1 unit).
OWNER: E. MURPHY, 5859 Sooke Road, RR 1, Sooke V0S 1N0.
DESCRIPTION: Breccia containing pyrite and chalcopyrite occurs at the contact of Tertiary Metchosin volcanic rocks and augite and olivine gabbro intrusive rocks.
WORK DONE: 1978 and 1979 – surface diamond drilling, 2 XRD holes, totalling 18.5 metres, on SM 1.
REFERENCE: Assessment Report 7475.

HEAVY METAL (Fig. E-1, NTS 92, No. 4)

LOCATION: Lat. 48° 39′ Long. 123° 50′ (92B/12W)
VICTORIA M.D. Centred 4 kilometres southeast of Waterloo Mountain, along the southwest side of the Koksilah River and westward.
CLAIMS: METAL (16 units), HEAVY METAL (16 units), RICH METAL (6 units), METAL EAST (6 units), METAL SOUTH (4 units), MINI METAL (2 units), BOG METAL (4 units), HIDDEN METAL (15 units).
OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.
DESCRIPTION: The property is underlain by basic to acid volcanic and very minor sedimentary rocks, all belonging to the Bonanza volcanic rocks.
WORK DONE: Surface diamond drilling, 9 holes, totalling 770 metres and induced polarization survey, 7 kilometres, covering Hidden Metal.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 119.

BLAZE (Fig. E-1, NTS 92, No. 3)

LOCATION: Lat. 48° 31′ Long. 123° 52′ (92B/12W)
VICTORIA M.D. Forty-one kilometres east of Port Renfrew, 1 kilometre north of the east end of the Bear Creek Reservoir.
CLAIMS: BLAZE 1 to 3 (15 units).
OWNER: LOW MINERALS LTD., 1640 Quadra Street, Victoria V8W 2L6.
METALS: Gold, silver.

DESCRIPTION: Gold-bearing quartz veins cut Leech River schist along foliations, associated (?) granodiorite.

WORK DONE: Thirty soil and 12 rock chip samples taken over 20 metres in trench, covering all claims.

REFERENCES: Mineral Inventory 92B-108; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 118; Assessment Reports 6298, 6844.

NORTH, WEST, SOUTH, EAST (Fig. E-1, NTS 92, No. 2)

LOCATION: Lat. 48° 30.5′ Long. 123° 44′ (92B/12, 5E)
VICTORIA M.D. At Leechtown, 5.5 kilometres westward along Leech River and 1.5 kilometres eastward along Old Leech Creek.

CLAIMS: NORTH (15 units), SOUTH (15 units), EAST (20 units), WEST (20 units).

OWNERS: W. A. Morris and M. Richter.

OPERATOR: W. A. MORRIS, 936 Walfred Road, Victoria V9C 2P4.

METALS: Gold, talc.

WORK DONE: 1978 and 1979 – trenching, on West and North; rotary drilling, approximately 41 metres, on South.

REFERENCES: Mineral Inventory 92B-51, 53, 77, 78; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 118; Assessment Reports 6144, 6907, 7536.

SEATTLE, QUEEN BEE (Fig. E-1, NTS 92, No. 10)

LOCATION: Lat. 48° 52′ Long. 123° 48′ (92B/13W)
VICTORIA M.D. Copper Canyon, on Chemainus River at its confluence with Nugget Creek.

CLAIMS: Thirteen Crown-granted claims and fractions including SEATTLE (Lot 57G), QUEEN BEE (Lot 100G), CHEMAINUS (Lot 34G), DUNSMUIR (Lot 56G), PATRICIA–JANE (Lot 75G), MORLEY–JANE, PEGGY FR., ALLIANCE FR. (Lot 59G), LITTLE NUGGET (Lot 33G), BELLE (Lot 55G), COPPER KING (Lot 64G), COPPER QUEEN (Lot 65G), BEATRICE.

OWNERS: P. Postuk and S. B. Fulton.

OPERATOR: S.E.R.E.M. LTD., 505, 850 West Hastings Street, Vancouver V6C 1E1.

METALS: Copper, zinc, silver, gold.

DESCRIPTION: Mineralization occurs in rocks of the Sicker Group. Locally the schists are intruded by gabbro/diorite sills and feldspar porphyries. Pyrite is the most common and most widespread mineral. Lenticular panels of copper/zinc mineralization occur within folds in the shear zone. There is some suggestion that faulting has some control on the orebodies.

WORK DONE: Surface geological mapping, 1:5000.

REFERENCES: Mineral Inventory 92B-88; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 121.

HOPE, VICTORIA, COPPER CANYON (Fig. E-1, NTS 92, No. 8)

LOCATION: Lat. 48° 52′ Long. 123° 49′ (92B/13W)
VICTORIA M.D. Eight kilometres southwest of Chemainus, on Chemainus River, 1 kilometre upstream from Holyoak Creek.

CLAIMS: PROSPERITY (2 units), CHARITY (15 units), HOPE (8 units), COPPER MINT I, COPPER MINT II, COPPER MINT 3, SUSAN (Lot 23G), VICTORIA (Lot 21G), VICTORIA FR. (Lot 90G), COPPER CANION (Lot 22G), KLONDYKE (Lot 68G).

OPERATOR: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: Copper, (silver, gold).

DESCRIPTION: The claims are underlain by schistose metavolcanic rocks of the Sicker Group, unconformably overlain by Cretaceous sedimentary rocks of the Nanaimo Group, all intruded by diorite and gabbro. Disseminated to massive mineralization occurs as chalcopyrite and pyrite in a quartz vein up to 0.3 metre wide.

WORK DONE: Surface geological mapping, 1:5000; VLF–EM survey, 20 kilometres; geochemical survey, 550 soil samples analysed for copper, lead, zinc, and silver; and ground magnetometer survey, 8 kilometres, covering all claims; surface diamond drilling, 1 hole, totalling 245 metres, on Klondyke.

REFERENCES: Mineral Inventory 92B-14, 86, 110; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 120-E 122; Assessment Reports 6972, 7183, 7435.

FAITH, MILDRED (Fig. E-1, NTS 92, No. 9)

LOCATION: Lat. 48° 53′ Long. 123° 49′ (92B/13W)
VICTORIA M.D. Eight kilometres southwest of Chemainus on Holyoak Creek, 1 kilometre upstream from Chemainus River.

CLAIMS: FAITH (6 units) and NONESUCH (Lot 66G), MILDRED (Lot 96G).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

METAL: Copper.

DESCRIPTION: The claims are underlain by a foliated sequence of Sicker Group schistose metavolcanic and sedimentary rocks, intruded by gabbro and diorite. Pyrite and minor chalcopyrite occur in the Sicker units as disseminations, stringers, and lenses.

WORK DONE: Geochemical survey, 243 soil samples, covering Faith and Nonesuch and 58 soil samples, covering Mildred, analysed for copper, zinc, and lead.

REFERENCES: Mineral Inventory 92B-41; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 122; Assessment Reports 6699, 7273, 7434.

OAK (HOLY), VV, QQ (Fig. E-1, NTS 92, No. 6)

LOCATION: The claims are divided into two groups:

VV, ANT, ANT 2–
Lat. 48° 57′ Long. 123° 56′ (92B/13W)
VICTORIA and NANAIMO M.D. Nine kilometres west-southwest of Ladysmith, 3 kilometres north-northwest of Coronation Mountain, on the east side of Chipman Creek.

OAK 1 to 3, QQ 1, 2, BRENT 1–
Lat. 48° 53′ Long. 123° 51′ (92B/13W)
VICTORIA M.D. Eleven kilometres south of Ladysmith, on the south side of Mount Brenton, extending from Holyoak Creek to Solly Creek.

CLAIMS: OAK 1 to 3 (36 units), QQ 1, 2 (10 units), BRENT 1 (10 units), VV (4 units), ANT (2 units), ANT 2 (3 units).

OWNER: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

DESCRIPTION: Pennsylvanian and Permian Sicker Group volcanic flow rocks and tuffs, ranging in composition from rhyolitic to basaltic, trend northwest and dip gently northeast. Magnetite is common to several andesite flow rocks. A single drill hole penetrated a heavily altered skarn breccia which contains chalcopyrite, molybdenite, and pyrrhotite.

WORK DONE: Surface geological mapping, 1:2400; geochemical survey, 115 soil samples analysed for copper and zinc, and ground magnetometer survey, 3.7 kilometres, covering all claims; surface diamond drilling, 6 BQ holes, totalling 448 metres, on Brent 1, QQ 1, Oak 2, 3, and VV.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 123, E 124; Assessment Reports 6548, 7323.

SIRIUS (Fig. E-1, NTS 92, No. 5)

LOCATION: Lat. 48° 51′ Long. 123° 41′ (92B/13E)
VICTORIA M.D. Three kilometres west-southwest of Crofton on the north slope of Mount Richards, 1 kilometre due west of Crofton Lake.

CLAIM: CROFT 2 (15 units).

OWNER: S.E.R.E.M. LTD., 505, 850 West Hastings Street, Vancouver V6C 1E1.

METALS: Copper, zinc.

DESCRIPTION: Copper and zinc sulphide mineralization occurs in felsic volcanic rocks of the Middle to Upper Paleozoic Sicker Group and in quartz veins near the margins of associated gabbro-diorite sills of Jurassic age.

WORK DONE: Surface geological mapping, 1:3900; geochemical survey, 255 soil samples analysed for copper, zinc, and silver, covering Croft 2.

REFERENCES: Mineral Inventory 92B-96; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 224 (Sirius); *Minister of Mines, B.C.*, Ann. Rept., 1957, p. 91 (Sirius); Assessment Report 7233.

CAPE FLATTERY 92C

FOX (Fig. E-1, NTS 92, No. 13)

LOCATION: Lat. 48° 27′ Long. 124° 06.5′ (92C/8E)
VICTORIA M.D. Seventy-seven kilometres west of Victoria, 5.6 kilometres west of the Jordan River community, covering McVicar Creek.
CLAIM: FOX (12 units).
OWNER: WESTMOUNT RESOURCES LTD., 900, 900 West Hastings Street, Vancouver.
DESCRIPTION: The geological environment consists of volcanic and marine sedimentary rocks of the Metchosin Formation (Eocene) cut by gabbroic stock and sill-like intrusive rocks.
WORK DONE: Geochemical survey, 167 soil samples analysed for copper, silver, and zinc, covering Fox.
REFERENCE: Assessment Report 7814.

BO (Fig. E-1, NTS 92, No. 12)

LOCATION: Lat. 48° 30′ Long. 124° 00′ (92C/9E)
VICTORIA M.D. Thirty-two kilometres east of Port Renfrew, 3.2 kilometres southwest of the centre of Wye Lake.
CLAIMS: BO 1 to 4 (1 unit each).
OWNER: R. BEAUPRE, 4361 Shelbourne Street, Victoria V8N 3G4.
DESCRIPTION: A pegmatite vein is faulted next to intrusive volcanic material in Leech River schist. Black tourmaline was noted in clear quartz veins in the area.
WORK DONE: Trenching, 5 metres, and 3 spectrometer samples.

ERSET (Fig. E-1, NTS 92, No. 206)

LOCATION: Lat. 48° 48′ Long. 125° 00′ (92C/14E, 15W)
ALBERNI M.D. Eleven kilometres east-southeast of Banfield, 3 kilometres south of the Pachena River.
CLAIM: ERSET (20 units).
OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby.
DESCRIPTION: The property is underlain by andesites, rhyolites, and tuffs of the Bonanza Formation.
WORK DONE: Geological mapping, 1:10 000; sampling, 80 soil samples analysed for copper, lead, zinc, and silver.

SARITA, DOER (Fig. E-1, NTS 92, No. 14)

LOCATION: Lat. 48° 53′ Long. 125° 00′ (92C/15W)
ALBERNI M.D. On western Vancouver Island, 8 kilometres west-southwest of the west end of Sarita Lake, on the south bank of the Sarita River.

CLAIMS: BLACK BEAR (Lot 23), EUREKA (Lot 24), BRITISH PACIFIC (Lot 25), MIDDAY (Lot 26), SOUTHERN CROSS (Lot 35), UNITED (Lot 36), UNION (Lot 54) plus RC 2, 4, 5, A2 (18 units).

OWNER: NOMAD MINES LTD., 1202, 750 West Pender Street, Vancouver V6C 2T8.

METALS: Iron, copper, zinc.

DESCRIPTION: Mineralization occurs in three environments: as replacement of limestone by massive magnetite; as replacement of fine-grained volcanic rock by chalcopyrite; and in a shear zone in a highly silicified, fractured limestone, comprising pyrrhotite, galena, sphalerite, chalcopyrite, and (?) tetrahedrite.

WORK DONE: Percussion drilling, on Black Bear, Eureka, British Pacific, Midday, Southern Cross, United, Union; surface diamond drilling, ground magnetometer survey, and electromagnetic survey, covering RC 5.

REFERENCES: Mineral Inventory 92C-6, 32, 96; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 227 (Gambler); Exploration in B.C., 1975, p. E 94; Assessment Report 5472.

COLE (Fig. E-1, NTS 92, No. 205)

LOCATION: Lat. 48° 59' Long. 124° 46' (92C/15W)
ALBERNI M.D. Two kilometres west of Franklin Camp, on Coleman Creek.

CLAIM: COLE (4 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby.

DESCRIPTION: Limestones (Quatsino Formation) are intruded by diorites. No mineralization was found in the outcrop.

WORK DONE: Geochemical survey, 90 soil samples analysed for copper, lead, zinc, and silver, and 7 rock samples analysed for lead, zinc, and silver.

ABC, SUMMIT (Fig. E-1, NTS 92, No. 16)

LOCATION: Lat. 48° 53' Long. 124° 41' (92C/15E)
ALBERNI M.D. Forty kilometres south of Port Alberni, on Little Nitinat River near its confluence with Nitinat River.

CLAIMS: ABC 1 to 6, SUMMIT 1 to 3, EXT 1 and 2, GAL 1 and 2 (13 units), SUMMIT Fraction, GEORGE Fraction, ABC Fraction, LINDA Fraction.

OWNER: SUMMIT PASS RESOURCES CORP., 708, 900 West Hastings Street, Vancouver.

METALS: (Lead, zinc, copper, silver).

DESCRIPTION: Diamond drilling intersected andesite, a grey, siliceous rock unit, and quartz veins. Pyrite and pyrrhotite are widely disseminated. Galena, sphalerite, and chalcopyrite occur in limited amounts.

WORK DONE: Surface diamond drilling, 4 BQ holes, totalling 458.4 metres.

REFERENCE: Assessment Report 7731.

AMORE (Fig. E-1, NTS 92, No. 17)

LOCATION: Lat. 48° 58′ Long. 124° 17′ (92C/16W)
VICTORIA and NANAIMO M.D. Centred 8 kilometres north of Cowichan Lake and 3 kilometres east of Mount Buttle, at the head of Jump, McKay, and Cottonwood Creeks.

CLAIMS: AMORE 2 (20 units), AMORE 3 (18 units), AMORE 4 (6 units).

OWNER: AQUARIUS RESOURCES LTD., RR 1, Box 26, Black Point Road, Powell River.

METALS: Gold, silver.

DESCRIPTION: On Amore 2, a vein 3 to 30 centimetres in width cutting silicified Sicker Group sedimentary rocks, carries gold, sphalerite, arsenopyrite, and galena. Other veins and shears in the area carry arsenopyrite and minor molybdenite.

WORK DONE: 1978 and 1979 – prospecting, covering all claims.

REFERENCES: Mineral Inventory 92C-117; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 125; Assessment Reports 6963, 7187.

BLUE GROUSE (Fig. E-1, NTS 92, No. 15)

LOCATION: Lat. 48° 50′ Long. 124° 13′ (92C/16E)
VICTORIA M.D. Four kilometres north-northwest of the town of Honeymoon Bay on Cowichan Lake, 2 kilometres west of Gordon Bay, on Miller Creek.

CLAIMS: BLUE GROUSE, BLUE GROUSE 2 and 3, SS 1 to 8 (Lots 31G to 41G).

OWNER: CORRIE COPPER LTD., 18765–96th Avenue, Surrey.

METALS: Copper, silver.

DESCRIPTION: Small sulphide zones, brought about by hydrothermal replacement and associated with feldspar porphyry intrusive rocks, occur in Franklin Creek volcanic rocks of the Vancouver Group.

WORK DONE: Prospecting, covering Lot 36G; underground rehabilitation, covering Lot 31G; road construction, 80 metres, and trenching and stripping, 6 trenches, 10 metres, on Lot 35G.

REFERENCES: Mineral Inventory 92C-17; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 107; Bull. 37, pp. 54-57; Assessment Reports 97, 616, 6297.

EL CAPITAN (Fig. E-1, NTS 92, No. 32)

LOCATION: Lat. 48° 57′ Long. 124° 13′ (92C/16E)
VICTORIA M.D. Eighty kilometres northwest of Victoria, on the divide between Cowichan River and Chemainus River, covering El Capitan Mountain.

CLAIM: CAP (20 units

OWNER: Trans-Pacific Ventures Ltd.

OPERATOR: PACER EXPLORATION SERVICES LTD., 705, 850 West Hastings Street, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: A finely porphyritic massive andesite is cut by a vertical hornblende porphyry dyke and a shear along the south wall of the dyke. Precious metal values are confined to the shear.

WORK DONE: Ground electromagnetic survey, 2.84 kilometres and sampling, 8 samples, covering Cap.

REFERENCES: Mineral Inventory 92C-19, 20, 21, 43; *Minister of Mines, B.C.*, Ann. Rept., 1927, pp. 337, 338, 348; 1928, pp. 364, 365, 376, 377; 1935, pp. F 52-54; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 37, pp. 61-65; Assessment Report 7832.

ALBERNI 92F

DUS (Fig. E-1, NTS 92, No. 19)

LOCATION: Lat. 49° 12′ Long. 124° 13′ (92F/1E)
NANAIMO M.D. Twenty-two kilometres west-northwest of Nanaimo, 4 kilometres west of Kidney Lake, on and north of Okay Mountain.

CLAIMS: DUS (12 units), CTV (4 units).

OWNER: E. SPECOGNA, 1704 Centenary Drive, RR 1, Nanaimo.

DESCRIPTION: Quartz mineralization occurs in Sicker rocks with some pyrite, sphalerite, and chalcopyrite.

WORK DONE: Prospecting, covering both claims; packsack drilling, totalling 6 metres, on Dus.

OKAY (Fig. E-1, NTS 92, No. 18)

LOCATION: Lat. 49° 12′ Long. 124° 13′ (92F/1E)
NANAIMO M.D. Twenty-two kilometres west-northwest of Nanaimo, 5 kilometres west of Kidney Lake, on the north side of Okay Mountain.

CLAIM: OKAY (6 units).

OWNER: INVEX RESOURCES LTD., 615, 744 West Hastings Street, Vancouver.

DESCRIPTION: Minor chalcopyrite and galena occur in one quartz vein within pyritic tuffaceous rocks between argillite above and andesitic volcanic flow rocks below.

METALS: Gold, silver.

WORK DONE: Geochemical survey, 77 soil, 11 silt, and 31 rock samples analysed for copper, lead, zinc, silver, and gold, covering Okay.

REFERENCE: Assessment Report 7641.

VILLALTA (Fig. E-1, NTS 92, No. 20)

LOCATION:	Lat. 49° 06' Long. 124° 28' (92F/1W) NANAIMO M.D. Twenty kilometres west-southwest of Nanaimo, 3 kilometres south of Labour Day Lake, on the west fork of Rockyrun Creek.
CLAIMS:	VILLALTA (8 units), VILLALTA A, C, and D (2 units each).
OWNER:	E. SPECOGNA, 1704 Centenary Drive, RR 1, Nanaimo V9R 5K1.
METALS:	Gold, tungsten, zinc, copper, iron.
DESCRIPTION:	The Villalta claims are located at the northwestern tip of the Nanaimo Lakes intrusive body. Mineralization occurs at the contact of the Mount Sicker sedimentary rocks and limestone, in bands within the limestone, and in dykes cutting the sedimentary rocks.
WORK DONE:	Packsack diamond drilling, 18 metres; stripping, 2 by 5 metres; and rock cut, 2 by 2 metres, on Villalta D; geochemical survey, 21 soil samples analysed for copper, zinc, gold, silver, and tungsten, covering Villalta A and D; topographical survey.
REFERENCES:	Mineral Inventory 92F-384; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 109; 1978, p. E 126; Assessment Report 7792.

AJ (Fig. E-1, NTS 92, No. 36)

LOCATION:	Lat. 49° 07' Long. 124° 26' (92F/1W) NANAIMO M.D. Twenty-nine kilometres southeast of Port Alberni, at Labour Day Lake.
CLAIMS:	AJ (20 units), AJ 2 (10 units).
OWNER:	Oliver Resources Ltd.
OPERATOR:	KARGEN DEVELOPMENT CORP., 10140 Shellbridge Way, Richmond V6X 1V7.
DESCRIPTION:	The claims are underlain mainly by Karmutsen volcanic rocks (Triassic). A small copper showing in calcite-rich rocks occurs at a small lake south of Labour Day Lake.
WORK DONE:	Linecutting, 12.5 kilometres, and geochemical survey, 268 soil samples analysed for lead, silver, copper, and zinc, covering the northern part of the property.
REFERENCE:	Assessment Report 7768.

LIZARD (Fig. E-1, NTS 92, No. 21)

LOCATION:	Lat. 49° 08' Long. 124° 40' (92F/2E) ALBERNI M.D. Fourteen kilometres southeast of Port Alberni, on the south side of China Creek, at Lizard Lake.
CLAIMS:	LIZARD (9 units), DINOSAUR (3 units).
OWNER:	UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.
DESCRIPTION:	Andesites to dacites and cherts of the Paleozoic Sicker Group are overlain by limestones of the Buttle Lake Formation. Abundant quartz

veins and small feldspar porphyry dykes of possible Tertiary age occur on the property. Quartz veins with massive pyrite carry gold values.

WORK DONE: Surface geological mapping, 1:10 000 and geochemical survey, approximately 100 samples analysed for gold, copper, and silver, covering both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet Res.*, Exploration in B.C., 1978, p. E 127; Assessment Report 6153 (Tasha).

LEORA (SYLVANITE) (Fig. E-1, NTS 92, No. 37)

LOCATION: Lat. 49° 08' Long. 125° 24.5' (92F/3W)
ALBERNI M.D. Twenty-four kilometres north-northeast of Ucluelet, on the east side of Kennedy River, 2 kilometres above its junction with Kennedy Lake.

CLAIMS: JEAN (Lot 1684), DONALD (Lot 1685), JACK (Lot 1686).

OWNERS: G. Kinneard and F. C. Loring.

OPERATORS: VIVA VENTURES LTD., c/o G. E. Kinneard, 1477 West Pender Street, Vancouver, SEMCO MINING CORPORATION, 744 West Hastings Street, Vancouver, and LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: The property is underlain by andesitic flow breccias and pillow lavas of the Karmutsen Group. Gold occurs in quartz-calcite-barite fissure fillings.

WORK DONE: Underground geological mapping, 1:150 (underground workings); and 1:5000 (surface); and geochemical survey, 70 rock samples assayed for gold and silver, covering Donald.

REFERENCES: Mineral Inventory 92F-31; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 96; Assessment Reports 5711, 7665.

AU (Fig. E-1, NTS 92, No. 22)

LOCATION: Lat. 49° 09' Long. 125° 24' (92F/3W)
ALBERNI M.D. Four kilometres northeast of the east end of Kennedy Lake, 1.5 kilometres east of Kennedy River.

CLAIMS: AU 1 to 10 (1 unit each).

OWNER: M. Swetz.

OPERATOR: AMORE MINERALS INC., 575 Richards Street, Vancouver.

DESCRIPTION: Pyrite, with associated gold and silver values, occurs in three or more quartz veins in silicified limestone or quartzite host rock.

WORK DONE: VLF–EM survey, linecutting, 2.1 kilometres, and 8 rock samples analysed for gold and silver, covering Au 1, 2, 5, 6.

REFERENCE: Assessment Report 7392.

OK (Fig. E-1, NTS 92, No. 23)

LOCATION: Lat. 49° 26' Long. 125° 43' (92F/5E)
ALBERNI M.D. North of Bedwell River, 1 kilometre northeast of Noble Creek.

CLAIMS: CUB 2, 4, 11, 12.

OWNER: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 94, Tofino V0R 2Z0.

METALS: Gold, silver.

DESCRIPTION: A quartz vein containing pyrite and minor sphalerite and galena occurs in a shear zone in Bedwell batholith quartz diorite. Assays show gold values.

WORK DONE: Trenching, 10 by 3 by 1.5 metres, on Cub 11.

REFERENCES: Mineral Inventory 92F-58; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 129.

BROOKLYN, PROSPER, AVON (Fig. E-1, NTS 92, No. 24)

LOCATION: Lat. 49° 23′ Long. 125° 44′ (92F/5)
ALBERNI M.D. Four kilometres northeast of the head of Bedwell Sound, on Bedwell River.

CLAIMS: BAT 1 to 4, BEN 1 to 4, BEC (3 units), BES (3 units), BROOKLYN (Lot 701).

OPERATOR: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 94, Tofino V0R 2Z0.

METALS: Gold, silver, copper.

DESCRIPTION: The claims are underlain mainly by Upper Triassic volcanic rocks and limestone of the Karmutsen Formation. Mineralized quartz veins occur in volcanic rocks near the southern boundary of the Bedwell River batholith.

WORK DONE: Stripping vein, 10 metres; open cut, 10 by 2 by 2 metres, on Bes; reconnaissance geology.

REFERENCES: Mineral Inventory 92F-53, 350, 354; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 128; Assessment Reports 5506, 7439.

MORNING, APEX (Fig. E-1, NTS 92, No. 25)

LOCATION: Lat. 49° 18′ Long. 125° 16′ (92F/6W)
ALBERNI M.D. Thirty-two kilometres west of Alberni, 1 kilometre southeast of the south end of Doran Lake.

CLAIMS: MORNING (Lot 975), MORNING 1 (Lot 976), MORNING 2 (Lot 977), APEX (Lot 978), APEX 1 Fraction (Lot 980).

OWNER: G. E. von ROSEN, Box 48296, Three Bentall Centre, Vancouver V7X 1A1.

METAL: Gold.

DESCRIPTION: Gold mineralization occurs in a steeply dipping quartz vein 3.5 metres wide related to the Doran Lake fault system, associated with shear zones in Karmutsen pillow lavas.

WORK DONE: 1978 – VLF–EM survey, 4.75 kilometres, covering Apex.
REFERENCES: Mineral Inventory 92F-119, 150; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 113; Assessment Reports 5368, 5858, 7260.

TRI (Fig. E-1, NTS 92, No. 26)

LOCATION: Lat. 49° 18′ Long. 125° 21′ (92F/6W)
ALBERNI M.D. Ten kilometres west of Taylor Arm, on the south side of Taylor River.
CLAIMS: CUZEN 1 to 8.
OPERATOR: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 92, Tofino V0R 2Z0.
METALS: Copper, zinc.
DESCRIPTION: Limestone near contact with Karmutsen volcanic rocks contains mineralized skarn.
WORK DONE: Stripping, 20 by 6 metres, on Cuzen 2.
REFERENCES: Mineral Inventory 92F-281; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 111; 1978, p. E 129.

TAY (Fig. E-1, NTS 92, No. 27)

LOCATION: Lat. 49° 19′ Long. 125° 16′ (92F/6W)
ALBERNI M.D. Five kilometres west of Taylor Arm, between Doran Lake and Taylor River.
CLAIMS: TAY 1 to 18 (1 unit each).
OWNER: F. MILAKOVICH, 3585 East 46th Avenue, Vancouver V5S 1B7.
DESCRIPTION: Volcanic andesitic rocks are intruded by dioritic irregular intrusive rocks and cut by gold-bearing pyritized quartz veins.
WORK DONE: Surface geological mapping, 1:2000; surface diamond drilling, 2 BQ holes; ground electromagnetic survey, 6.75 kilometres; and geochemical survey, 258 soil samples analysed for copper, gold, silver, and lead, covering Tay 1 and 2.
REFERENCES: Mineral Inventory 92F-212; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 98; Assessment Reports 5698, 7191.

KING MIDAS (Fig. E-1, NTS 92, No. 46)

LOCATION: Lat. 49° 40′ Long. 124° 00′ (92F/9E; 92G/12W)
VANCOUVER M.D. Seventy-seven kilometres northwest of Vancouver, on Sechelt Peninsula, between Sakinaw Lake and Mount Daniel to the south.
CLAIM: ART (20 units).
OWNER: A. HEWITSON, 301, 1931 Nelson Street, Vancouver.
METALS: Copper, silver.
DESCRIPTION: The property is underlain by quartz diorite and younger granodiorite (Jurassic) in contact with limestone. Skarn-type chalcopyrite, pyrite, and magnetite occur in the granodiorite.

WORK DONE: Ground electromagnetic survey, 21.3 kilometres, covering Art.

REFERENCES: Mineral Inventory 92F-115; *Minister of Mines, B.C.*, Ann. Rept., 1937, p. F31; 1950, p. 170; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 99; 1978, p. E 130 (Art).; Assessment Reports 5444, 7001, 7742.

HERNANDO (Fig. E-1, NTS 92, No. 29)

LOCATION: Lat. 49° 38′ Long. 124° 18′ (92F/9W)
NANAIMO M.D. On Texada Island, 8 kilometres southeast of the village of Gillies Bay, on the northwest slope of Mount Grant.

CLAIMS: HERNANDO 1 to 3 (1 unit each).

OWNER: F. J. BRENNAN, Box 2, Vananda.

DESCRIPTION: Traces of molybdenum mineralization occur in granitic rocks.

WORK DONE: 1978 and 1979 – surface diamond drilling, 1 hole, totalling 11 metres, on Hernando 2.

REFERENCE: Assessment Report 7559.

WIP (Fig. E-1, NTS 92, No. 30)

LOCATION: Lat. 49° 44′ Long. 124° 30′ (92F/9W, 10E)
NANAIMO M.D. On Texada Island, 5 kilometres southeast of Vananda inland from Raven Bay.

CLAIMS: WILL 2 Fraction, WILL 3 to 6, TEX 1 and 2, KELLY–JO Fraction, JOE, WILLY 1 and 2, WIP 1 to 14, MOLLY 1 to 7.

OWNER: TEXADA LIME LTD., 330, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: (Gold, copper, iron), limestone.

DESCRIPTION: Drilling intersected volcanic flow and fragmental rocks, and limestone including skarn. Magnetite, pyrrhotite, and chalcopyrite occur in skarn at the contact between Karmutsen volcanic rocks and Quatsino limestone.

WORK DONE: Surface diamond drilling, 5 BQ holes, totalling 552 metres, on Will 3 and Molly 3; geochemical survey, 742 soil samples analysed for copper, zinc, and molybdenum, covering Molly and Wip.

REFERENCES: Mineral Inventory 92F-363; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 383 (Raven); Assessment Reports 3244, 4903, 5793, 7219, 7843.

IDEAL BASIC INDUSTRIES (Fig. E-1, NTS 92, No. 56)

LOCATION: Lat. 49° 43.5′ Long. 124° 34′ (92F/10E, 15E)
NANAIMO M.D. Northwest end of Texada Island.

CLAIMS: VOLUNTEER (Lot 131), EUROPE (Lot 133), GREAT COPPER CHIEF (Lot 134), MARBLE BAY (Lot 154), TOOTHPICK FR. (Lot 140), COPPER QUEEN (Lot 40), CORNEL (Lot 201), McLEOD 3 to 5 (Lots 515 to 517), McLEOD 6 and 7 (Lots 518B and 519B), McLEOD 8 and 1 and 2 FR. (Lots 520 to 522), LAP 1 to 4 FR. (Lots 523, 524B, 525, 526), LAP 5 and 6 (Lots 527 and 528), LAP 8 FR. (Lot 530B), MARBLE BAY 2 Fraction, STURT BAY 1 and 2, TRUE, BASIC 1 to 9, 11 to 13, 15, 16, 19, 20, 23, BASIC 24, 26, 28 Fractions, IDEAL 10, 14, 17, 18, 21, 22, 26, B-40882, B-40884, B-40886 to B-40889, B-40900, B-41066, ANN Fraction, IC 1 to 4, 11 to 16, and Mineral Leases M-1 and M-15.

OWNER: Ideal Basic Industries, Inc.

OPERATOR: SHIMA RESOURCES LTD., 2002, 1177 West Hastings Street, Vancouver V6E 2L6.

METALS: Copper, silver, gold.

DESCRIPTION: Argentiferous and auriferous copper minerals and magnetite occur in garnet skarn zones in Marble Bay limestone cut by granodioritic dykes and stocks.

WORK DONE: Gravity survey; ground magnetometer survey; VLF–EM survey; induced polarization survey; and surface diamond drilling, 6 BQ holes, totalling 628.8 metres, on McLeod 3.

REFERENCES: Numerous Mineral Inventory numbers; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 115, E 116; 1977, pp. E 113, E 114.

LYNX MINE (Fig. E-1, NTS 92, No. 31)

LOCATION: Lat. 49° 36′ Long. 125° 37′ (92F/12E)
ALBERNI M.D. Centred 6 kilometres northwest of the south end of Buttle Lake.

CLAIMS: MAR 1 to 31, W 41 to 46.

OWNER: WESTERN MINES LIMITED, 1103, 595 Burrard Street, Vancouver V7X 1C4.

METALS: Copper, lead, zinc, silver, gold.

DESCRIPTION: Permian Sicker Group volcanic rocks occur with repetitions of rhyolitic to dacitic and andesitic sequences, mostly tuffs and breccias, some flow rocks. Irregular lens-shaped bodies of Kuroko-type ore occur on top of rhyolitic (sericitic) rock.

WORK DONE: Underground at Lynx mine, 10 level, drifting, 182 metres, on W 41; 481 metres, on W 42; and 30 metres, on Mar 1.

REFERENCES: Mineral Inventory 92F-71; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 130; Assessment Reports 5184, 7090.

MOORE (COBALT), IRON HILL (Fig. E-1, NTS 92, No. 33)

LOCATION: Lat. 49° 51′ Long. 125° 33′ (92F/13E)
NANAIMO M.D. Thirty kilometres southwest of Campbell River, on the south side of Upper Quinsam Lake at the mouth of Sihun Creek.

CLAIMS: COBALT (4 units), EUREKA (1 unit), MINE (2 units).

OWNER: J. W. McLEOD, 4086 West 17th Avenue, Vancouver.

METALS: Iron, copper, cobalt.

DESCRIPTION: The property is underlain by Upper Triassic Vancouver Group volcanic and sedimentary rocks, consisting of basaltic to andesitic flow rocks and limestone, intruded in places by Jurassic Quinsam granodiorites.

WORK DONE: Ground electromagnetic survey, 6.4 kilometres, covering Eureka and Cobalt.

REFERENCES: Mineral Inventory 92F-75, 288; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 131; Assessment Report 7193.

IR (Fig. E-1, NTS 92, No. 34)

LOCATION: Lat. 49° 50′ Long. 125° 30′ (92F/13E, 14W) NANAIMO M.D. Twenty-eight kilometres southwest of Campbell River, 7 kilometres east of the south end of Upper Quinsam Lake.

CLAIMS: IR 1 (20 units), IR 2 (20 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

DESCRIPTION: The property is underlain chiefly by Upper Triassic rocks of the Vancouver Group, consisting of basalt, black limestone and shale, tuffite, and andesite, intruded by granitic rocks, with flat-lying Comox Formation conglomerate and sandstone in the south.

WORK DONE: 1978 – ground electromagnetic and magnetometer surveys, 9 kilometres each; geochemical survey, 200 soil samples analysed for copper, lead, and zinc; and geological mapping, 1:5000, covering both claims.

REFERENCE: Assessment Report 7250.

GLADYS C, CADET, MARBLE BAY (Fig. E-1, NTS 92, No. 35)

LOCATION: Lat. 49° 45′ Long. 124° 34′ (92F/15E) NANAIMO M.D. On Texada Island, 1 kilometre southwest of Vananda.

CLAIMS: GLADYS C (Lot 135), CADET (Lot 138), MARBLE BAY FR. NO. 2 (Lot 157), LEONARD (Lot 136), PRIEST (Lot 137), GABRIOLA FR. (Lot 139), TEXADA (Lot 132), KEY FR. (Lot 141), LAP 7 FR. (Lot 529), LAP 8 FR. (Lot 530).

OWNER: AQUARIUS RESOURCES LTD., 11450–124th Street, Edmonton, Alberta T5M 0K3.

METALS: Copper, zinc, iron, gold, silver.

DESCRIPTION: The property is underlain by volcanic rocks in the west which dip gently northeast under a sequence of Quatsino limestone that covers most of the northern quarter of the island. Both volcanic rocks and limestone are intruded by gabbro/diorite dykes and stocks of the Middle Jurassic Island Formation. Mineral occurrences are essentially in skarns formed with the intrusions.

WORK DONE: Surface geological mapping, 1:2400, covering all claims.

REFERENCES: Mineral Inventory 92F-270, 368; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 132; Assessment Reports 5517, 6842, 7414.

VANCOUVER 92G

COPPER BAY (Fig. E-1, NTS 92, No. 135)

LOCATION: Lat. 49° 30' Long. 123° 23' (92G/6W, 11W)
VANCOUVER M.D. Thirty kilometres northwest of Vancouver at the north end of Gambier Island.

CLAIMS: MB 1 to 18 (241 units).

OWNER: 20th CENTURY ENERGY CORPORATION, 1032, 355 Burrard Street, Vancouver.

METAL: Copper.

DESCRIPTION: Gambier Island is underlain by Middle Jurassic Bowen Island Group greenstone, chert, and greywacke, Lower Cretaceous Gambier Group andesite to rhyodacite flows, and pyroclastic rocks, greenstone, argillite, minor conglomerate, limestone, schist, and granodiorite intrusive rocks. Pyrite, chalcopyrite, and molybdenite occur disseminated in veinlets and fracture coatings. Galena and sphalerite occur at the periphery of the main zone.

WORK DONE: Airborne magnetometer survey, 402 kilometres, covering all claims; linecutting, 17.25 kilometres; ground magnetometer survey; induced polarization survey; surface geological mapping, 1:2500; and surface diamond drilling, 7 BQ holes, totalling 1 431.2 metres, on MB 1, 10, 11, and 18.

REFERENCES: Mineral Inventory 92G/NW-25; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 137; Assessment Reports 7730, 7741.

P (Fig. E-1, NTS 92, No. 38)

LOCATION: Lat. 49° 17' Long. 122° 29' (92G/8W)
NEW WESTMINSTER M.D. In Maple Ridge District Municipality, a suburb of Vancouver, 1 kilometre south of the south end of Alouette Lake.

CLAIMS: JAV 1 to 6.

OWNER: Amador Resources Ltd.

OPERATOR: WESTRIDGE ENTERPRISES LTD., 2000 Arbay Avenue, Coquitlam.

METAL: Copper.

DESCRIPTION: Massive sulphide mineralization consisting of pyrite, pyrrhotite, magnetite, and chalcopyrite is localized along a shear zone in the more basic phase of the diorite intrusive rocks of the Coast Plutonic Complex. Disseminated mineralization also occurs.

WORK DONE: Surface geological mapping, 1:2400; geochemical survey, 250 soil samples analysed for cobalt, nickel, and copper; and ground magnetometer survey, 7.8 kilometres, covering all claims.

REFERENCES: Mineral Inventory 92G/SE-14; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 247; Assessment Report 2601.

CYRUS (Fig. E-1, NTS 92, No. 208)

LOCATION: Lat. 49° 40.5′ Long. 122° 46.5′ (92G/10W)
NEW WESTMINSTER M.D. Twenty-six kilometres east of Squamish, on Pinecone Creek, 2 kilometres east of Pinecone Lake.

CLAIMS: CYRUS (2 units), CARMELAN (2 units).

OPERATOR: C. THORSETH, 15417 – 81st Avenue, Edmonton, Alberta T5R 3P3.

WORK DONE: 1978 – trenching, stripping, and 8.2 metres of core drilling.

LORI (Fig. E-1, NTS 92, No. 39)

LOCATION: Lat. 49° 42′ Long. 122° 55′ (92G/10W)
VANCOUVER M.D. Twenty kilometres east of Squamish on Mamquam River and Martin Creek.

CLAIMS: ALCO 1 (1 unit), ALCO 2 (9 units), ALCE (20 units).

OWNER: AMARK EXPLORATION LTD., 711, 745 Howe Street, Vancouver.

METAL: Copper.

DESCRIPTION: Andesite-diorite complex rocks are intruded by dykes and irregular bodies of granite. Pyrite, chalcopyrite, malachite, and minor molybdenite occur in fractures and quartz veins in altered rocks near the intrusions.

WORK DONE: Geochemical survey, approximately 150 soil samples analysed for copper and molybdenum; ground electromagnetic survey, covering all claims; surface diamond drilling, (EXT) 20 holes, totalling 195.8 metres, on Alco 1 and 2.

REFERENCES: Mineral Inventory 92G/NE-20; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 118; Assessment Reports 4916, 4917, 4918, 7386, 7739.

WAR EAGLE, INDIAN RIVER, COPPER BELLE (Fig. E-1, NTS 92, No. 40)

LOCATION: Lat. 49° 39′ Long. 123° 02′ (92G/11E)
VANCOUVER M.D. Twenty kilometres southeast of the town of Squamish on the southwest flank of Mount Baldwin at the head of the Indian River.

CLAIMS: WAR EAGLE (9 units), FALCON (6 units), CELESTE (2 units), CLARKE (8 units), JODY (2 units), MAR (6 units), JARMILA Fraction, HAROLD Fraction.

OWNER: Maggie Mines Ltd.

OPERATOR: PLACER DEVELOPMENT LIMITED, 800, 1030 West Georgia Street, Vancouver V6E 3A8.

METALS: Copper, lead, zinc, silver.

DESCRIPTION: Chalcopyrite, sphalerite, and galena mineralization occur in an area underlain by rhyolitic tuffs, agglomerates, and minor sedimentary rocks of the Gambier Formation. The area is intruded by Cretaceous granodiorites.

WORK DONE: Surface diamond drilling, 4 BQ holes, totalling 423 metres; and ground magnetometer survey, 9.5 kilometres, covering War Eagle.

REFERENCES: Mineral Inventory 92G/NW-24, 24, 42; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 135; Assessment Reports 2632, 6866, 6867, 7047, 7671.

NAB (Fig. E-1, NTS 92, No. 207)

LOCATION: Lat. 49° 36' Long. 123° 24' (92G/11W)
VANCOUVER M.D. On the north side of Howe Sound, extending from the mouth to the headwaters of McNab Creek.

CLAIMS: ADRIANA 1 to 9 (148 units).

OWNER: Silverado Mines Ltd.

OPERATOR: TRI–CON MINING LTD., Box 12542, 1066 West Hastings Street, Vancouver.

METALS: Molybdenum, copper.

DESCRIPTION: Molybdenite and chalcopyrite occur as coatings on fractures and accompany quartz veinlets in a quartz diorite to granodiorite host.

WORK DONE: Geochemical survey, 370 samples analysed for copper, molybdenum, and zinc, covering Adriana 1-5.

REFERENCES: Mineral Inventory 92G/NW-15, 16, 34; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 276.

SNOW, McLEOD (Fig. E-1, NTS 92, No. 41)

LOCATION: Lat. 49° 40' Long. 123° 16' (92G/11W)
VANCOUVER M.D. One and one-half kilometres southwest of Woodfibre, on Woodfibre Creek and northwest of Foulger Creek.

CLAIMS: SNOW (12 units), McLEOD (4 units).

OWNERS: R. McLeod and S. Goss.

OPERATOR: R. McLEOD, Box 150, Brackendale V0N 1H0.

DESCRIPTION: A shear zone 500 metres in width, thought to be an extension of the Britannia shear zone, contains masses of chlorite schist, mineralized with galena, sphalerite, and silver. Granitic intrusions occur on both sides of the shear zone. To the south, there is a massive ultramafic diorite sill containing disseminated chalcopyrite and pyrrhotite.

WORK DONE: Trenching, 6 metres and 11 rock samples collected, covering Snow; prospecting, covering both claims.

KING MIDAS (Fig. E-1, NTS 92, No. 46)

LOCATION: Lat. 49° 40' Long. 124° 00' (92F/9E; 92G/12W)
Report on this property in 92F/9E.

DAY (Fig. E-1, NTS 92, No. 42)

LOCATION: Lat. 49° 41′ Long. 123° 58′ (92G/12W)
VANCOUVER M.D. On the Sechelt Peninsula 19 kilometres north of the town of Halfmoon Bay, on the southwest flank of Mount Hallowell.
CLAIM: QUINSTAR (20 units).
OWNER: QUINSTAR OIL CORPORATION, 803, 805 Eighth Avenue SW, Calgary, Alberta.
METALS: (Copper, zinc, molybdenum).
DESCRIPTION: The property is underlain by basalts, andesites, pyroclastic rocks, and minor limestone, cherts, and argillites of the Jarvis Group. Minor chalcopyrite and molybdenite occur in altered diorite.
WORK DONE: Surface diamond drilling, 13 metres, on Quinstar.
REFERENCES: Mineral Inventory 92G/NW-33; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 242; Assessment Reports 3757, 7264.

TUFF (Fig. E-1, NTS 92, No. 43)

LOCATION: Lat. 49° 56′ Long. 123° 23.5′ (92G/14W)
VANCOUVER M.D. On Pokosha Creek, 0.5 kilometre southwest of Ashlu Creek.
CLAIM: TUFF (1 unit).
OWNER: J. N. McLEOD, Box 150, Brackendale V0N 1H0.
METALS: Gold, silver.
DESCRIPTION: A steeply dipping quartz stockwork pipe 3 to 14 metres wide occurs within Coast Range batholith rock. The pipe contains marcasite and pyrite, with associated gold and silver values.
WORK DONE: Trenching, 2.5 cubic metres and 22 rock samples, covering Tuff.
REFERENCES: Mineral Inventory 92G/NW-45; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 120 (Ashlu); 1978, p. E 138.

GOLD (Fig. E-1, NTS 92, No. 44)

LOCATION: Lat. 49° 57′ Long. 123° 24.5′ (92G/14W)
VANCOUVER M.D. On the north side of Ashlu Creek, opposite the mouth of Roaring Creek.
CLAIM: GOLD (4 units).
OWNER: J. N. McLEOD, Box 150, Brackendale V0N 1H0.
METALS: Gold, silver.
DESCRIPTION: The property is underlain by quartz diorite of the Coast Range batholith and overlain by a cap of gneiss/diorite. Between these rock formations occurs a flat-lying andesite dyke, 3.5 metres wide, and an associated sheared quartz vein, 1 metre wide. The quartz vein contains marcasite, pyrite, and pyrrhotite, with associated gold and silver values.

WORK DONE: Surface diamond drilling, 3 BQ holes, totalling 1 567 metres, on Nola 8 and 10.

REFERENCES: Mineral Inventory 92H/SE-94; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 139; Assessment Reports 6929, 7827.

ASHLU (Fig. E-1, NTS 92, No. 45)

LOCATION: Lat. 49° 57′ Long. 123° 25′ (92G/14W)
VANCOUVER M.D. Thirty-two kilometres northwest of Squamish on either side of Ashlu Creek, 10 kilometres from its confluence with Squamish River.

CLAIMS: ASH, ASH 2, 3, 6 to 8 (18 units), CLARA 3 (3 units), TOAD (12 units).

OWNER: Slim's Exploration and Mining Ltd.

OPERATORS: OSPREY MINING & EXPLORATION LTD. and W. BABKIRK, 2055 Como Lake Avenue, Coquitlam.

METALS: Gold, tungsten, silver, copper.

DESCRIPTION: Gold occurs with sulphides and tellurides in a gently dipping quartz vein which cuts granodiorite and greenstone.

WORK DONE: Surface diamond drilling, 1 hole, totalling 54 metres, on Ash.

REFERENCES: Mineral Inventory 92G/NW-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 120; Assessment Reports 5592, 6043, 6155, 7403.

ICE (Fig. E-1, NTS 92, No. 149)

LOCATION: Lat. 49° 58.5′ Long. 123° 26.5′ (92G/14W)
VANCOUVER M.D. Thirty-five kilometres northwest of Squamish, on the north side of Ashlu Creek at Pykett Creek.

CLAIMS: ICE (20 units), ICE 1 (6 units), ICE 2 (4 units), YALAKUM (4 units).

OWNER: MAR–GOLD RESOURCES LTD., 201, 845 Hornby Street, Vancouver V6Z 1V1.

METALS: Gold, silver.

DESCRIPTION: The claims are underlain by granodiorite intrusive rocks (Cretaceous). Veins, stockwork, and sheared fractures contain massive and disseminated pyrite, chalcopyrite, and values in gold and silver.

WORK DONE: Surface geological mapping, 1:1000, covering Ice 1.

REFERENCE: Assessment Report 7844.

DAISY (VENETIAN) (Fig. E-1, NTS 92, No. 210)

LOCATION: Lat. 50° 00.5′ Long. 123° 05.5′ (92J/3E; 92G/14E)
Report on this property in 92J/3E.

HOPE 92H

FORKS (BENROY) (Fig. E-1, NTS 92, No. 47)

LOCATION:	Lat. 49° 08′ Long. 120° 02′ (92H/1E) OSOYOOS M.D. Twenty-five kilometres south of Hedley, on the Ashnola River south of Crater Creek.
CLAIMS:	R 1 to 10 (1 unit each).
OWNER:	GREAT PACIFIC RESOURCES INC., 613, 837 West Pender Street, Vancouver.
METALS:	Copper, molybdenum.
DESCRIPTION:	The claims are underlain by variable phases of a quartz diorite intrusive rock in contact with metasedimentary rocks of the Independence and Old Tom Formations. On the southeastern portion shear zones contain quartz veins with pyrite/chalcopyrite mineralization.
WORK DONE:	Surface geological mapping, 1:5000, and VLF—EM survey, 13 kilometres, covering all claims.
REFERENCES:	Mineral Inventory 92H/SE-57; *Geol. Surv., Canada*, Mem. 243, p. 114; *Minister of Mines, B.C.*, Ann. Rept., 1938, p. F8; Assessment Report 7590.

CU (Fig. E-1, NTS 92, No. 49)

LOCATION:	Lat. 49° 05′ Long. 120° 20′ (92H/1W) OSOYOOS M.D. Thirty-six kilometres south-southwest of Hedley on the west side of Ashnola River between McBride and Duruisseau Creeks.
CLAIMS:	CU 1 to 6, DA 1 and 2, AG 1 and 2, AL 1 and 2, NORM 2, A (67 units).
OWNER:	ASHNOLA MINING CO. LTD., 414 Ellis Street, Penticton V2A 4M2.
DESCRIPTION:	A breccia pipe or diatreme of irregular concentric shape contains copper, molybdenite, gold, and silver mineralization. Another mineralized zone occurs 1.8 kilometres south in a collapse breccia.
WORK DONE:	Geochemical survey and surface geological mapping, covering all claims; surface diamond drilling, on CU 1; road construction, on CU 1, 2, and 4.
REFERENCE:	Assessment Report 7549.

ASH, NOLA (Fig. E-1, NTS 92, No. 48)

LOCATION:	Lat. 49° 07′ Long. 120° 20′ (92H/1W) OSOYOOS M.D. Two kilometres northwest of the confluence of McBride Creek and Ashnola River.
CLAIMS:	**MAX 1 and 2, CAT 5 and 6, NOLA 1 Fraction, NOLA 1 to 10, 15, 17 to 24, JAM 1, 2, 15 to 18, Q 2, 4, 22 to 25, ASH 2 and 4, JJ 1 to 3 (59 units).**

OWNER: **E&B EXPLORATIONS LTD., 1818, 500 Fourth Avenue SW, Calgary, Alberta T2P 2V6.**

METALS: **Molybdenum, copper.**

DESCRIPTION: **Copper, molybdenum, and tungsten minerals occur within an alteration zone in rhyolitic volcanic rocks intruded by quartz porphyry, quartz monzonite, associated dykes, and felsic pebble breccia diatreme.**

WORK DONE: **Prospecting; test pit, 0.7 square metre; and 3 rock samples assayed, covering Gold.**

REFERENCES: **Mineral Inventory 92G/NW-46; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 120 (Ashlu); 1978, p. E 138.**

GOLD COIN, NORTH STAR, SKAGIT GIANT (Fig. E-1, NTS 92, No. 50)

LOCATION: Lat. 49° 07' Long. 121° 05' (92H/3E)
NEW WESTMINSTER M.D. Twelve kilometres north of Ross Lake, on Shawatum Creek, 4 kilometres east of the Skagit River.

CLAIMS: DENAR 20 (20 units), DENAR 40 (20 units).

OWNER: DENAR MINES LTD., 33825 South Fraser Way, Abbotsford V2S 2C4.

METALS: Gold, silver, platinum, copper, lead, zinc.

DESCRIPTION: Mineralization occurs in a series of nearly parallel veins and stringers and in lens-shaped bodies in highly fractured country rock consisting of cherty sedimentary rocks and fine-grained andesite flow rocks of the carboniferous Hozameen series.

WORK DONE: Trenching, 5 221 metres, on Denar 20.

REFERENCES: Mineral Inventory 92H/SW-14, 75 to 77; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 140. Assessment Report 5474.

AM, INVERMAY (CANAM) (Fig. E-1, NTS 92, No. 51)

LOCATION: Lat. 49° 10' Long. 121° 01' (92H/3E)
NEW WESTMINSTER M.D. Thirty-seven kilometres southeast of Hope, between the Hope-Princeton Highway and Manning Park.

CLAIMS: **INVERMAY 1 to 3, GE 1 to 12, GE 3 Fraction, AXE 2, AXE 10 Fraction, 26 MILE Fraction, LOIS and LOIS 7 Fraction, LOIS 1 to 6, 8 to 14, GC 35 to 68, HANK 1 Fraction, HANK 2, 4 to 8, MAY Fraction, MAY 1 to 11, 16, JET 1 and 2 Fractions, IP 1 to 9 Fractions, RIDGE 1 to 3 Fractions, BARB 3 and 4, RED 1 to 4, SABRE 1, REX 11 to 22, REX 22 Fraction, LESLIE 1 to 3, VERNON 1 to 8, BROWN 1 to 4, PEG 1, 2, CAMBORNE 1, 2, MISTY, MISTY 1 to 3, GM 27 to 32, LORNA Fraction, plus AM (Lot 1586), AM NO. 1 to NO. 5 (Lots 1579, 1587, 1577, 1584, 1581), AUGUSTUS 5 Fraction (Lot 1585), REX 1 Fraction (Lot 1595), RAN (3 units), RAN Fraction.**

OWNER: **GM RESOURCES LIMITED, 900, 837 West Hastings Street, Vancouver, V6C 1B6.**

METALS: Gold, silver, copper, molybdenum.

DESCRIPTION: Mineralization occurs as disseminations and in fracture filling in a quartz diorite breccia on the Vernon 3 claim (the Invermay showing), and as disseminations and in fracture filling in a sedimentary breccia (argillites or siltstones) on the AM and AM No. 1 Crown-granted claims (the AM showing).

WORK DONE: Surface diamond drilling, 3 BQ holes, totalling 292 metres, on AM and AM 1 and 1 AQ-BQ hole, totalling 245.5 metres, on Vernon 3.

REFERENCES: Mineral Inventory 92H/SW-1, 2, 27; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 100; *Minister of Mines, B.C.*, Ann. Rept., 1965, pp. 206-213; Assessment Reports 259, 4075, 7823.

SENECA (Fig. E-1, NTS 92, No. 52)

LOCATION: Lat. 49° 19' Long. 121° 57' (92H/5W)
NEW WESTMINSTER M.D. Twelve kilometres west-northwest of Harrison Hot Springs, on both sides of the Chehalis River and extending east to the summit of Mount Keenan.

CLAIMS: DOROTHY 1 to 10 (140 units).

OWNERS: I. Miller and Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Copper, zinc.

DESCRIPTION: Kuroko-type zinc/copper mineralization is hosted by Middle Jurassic Harrison Lake volcanic rocks. Sphalerite and chalcopyrite, in massive to massive fragmental form, occur at the upper horizon of coarse felsic pyroclastic rocks.

WORK DONE: Surface diamond drilling, 10 NQ holes, totalling 2 816 metres, on Dorothy 1, 2, and 9.

REFERENCES: Mineral Inventory 92H/SW-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 141; Assessment Report 7053.

I AM, LUV, STONEY (Fig. E-1, NTS 92, No. 53)

LOCATION: Lat. 49° 22' Long. 121° 54' (92H/5W)
NEW WESTMINSTER M.D. Eleven kilometres northwest of Harrison Hot Springs, immediately north and northwest of Weaver Lake.

CLAIMS: I AM 50 (20 units), I AM 1 to 4, 9 to 24, 51 to 56, SIR 4, SIR 5 and 6 FR., DOT 1 to 3, MARY J 1 to 4.

OWNERS: I. Miller and D. Miller.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Zinc, copper.

DESCRIPTION: Minor zinc and copper vein mineralization is present in a coarse felsic volcanic breccia of the Harrison Lake Formation.

WORK DONE: Surface geological mapping, 1:2500, covering I AM 2, 4, Mary J 1, 2; geochemical survey, 529 soil samples analysed for copper, lead, and zinc; and ground electromagnetic survey, 9.4 kilometres, covering I AM 50-54; surface diamond drilling, 25 NQ holes, totalling 2 816 metres, on Dorothy 1, 2, and 9.

REFERENCES: Mineral Inventory 92H/SW-69, 83; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 141; Assessment Reports 6683, 6904, 7015, 7053, 7746.

EUREKA, SILVER CHIEF (Fig. E-1, NTS 92, No. 55)

LOCATION: Lat. 49° 25′ Long. 121° 03′ (92H/6E)
SIMILKAMEEN M.D. Twenty-six kilometres east of Hope, on Treasure Mountain between Sutter and Amberty Creeks, two tributaries of Vuich Creek.

CLAIMS: WHY NOT FR., WHY NOT 3, EUREKA FR., TAMARACK, TAMARACK 2, LAKEVIEW, WHY NOT 2 FR. (Lots 1209, 1211 to 1216), plus BILL 1 to 6, STAR 1 to 4, SUMMIT Fraction.

OWNER: E. L. BORUP, 2296 West 40th Avenue, Vancouver.

METALS: Silver, lead, zinc.

DESCRIPTION: Lodes in the Treasure Mountain fault and subsidiary faults consist of stringers or veins, with vein material in pockets or disseminations in the surrounding rock.

WORK DONE: Geochemical survey, 130 soil samples analysed for silver, lead, and zinc, covering Summit Fraction, Bill 4, Lakeview, Star 1, 2, and 4.

REFERENCES: Mineral Inventory 92H/SW-16, 18; *Minister of Mines, B.C.*, Ann. Rept., 1952, pp. 119-129; Assessment Report 7463.

JESSI (Fig. E-1, NTS 92, No. 54)

LOCATION: Lat. 49° 25′ Long. 121° 13′ (92H/6E)
NEW WESTMINSTER M.D. Fifteen kilometres east-northeast of Hope, on the east side of the Coquihalla River, extending from Dewdney Creek to Sowaqua Creek.

CLAIMS: JESSI A to JESSI K (148 units).

OWNER: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta V4K 2T8.

DESCRIPTION: The claims follow and cover the Hozameen fault for 15 kilometres. This fault marks the boundary between gold bearing Ladner slates and Hozameen ribbon chert rocks.

WORK DONE: Road rehabilitation, 15 kilometres; air photogrammetry, 1:15 000 and 1:20 000; reconnaissance geochemical survey, 558 soil samples analysed for gold, covering all claims.

REFERENCES: Assessment Reports 2999, 3000, 7595.

SILVERTIP, S&M, MARIAN (Fig. E-1, NTS 92, No. 57)

LOCATION: Lat. 49° 16′ Long. 120° 45′ (92H/7E)
SIMILKAMEEN M.D. On the north side of Whipsaw Creek, halfway between Fortyone and Fortyseven Mile Creeks.

CLAIMS: SILVERTIP 1, 2, OK 1 to 5, CONTACT 1 to 4, M–1 Fraction, and Mineral Lease M-30.

OWNERS: R. M. HUFF and H. P. HUFF, General Delivery, Princeton.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: Veins containing galena, sphalerite, chalcopyrite, argentite, bornite, and pyrite occur in chlorite and amphibolite schists.

WORK DONE: Surface diamond drilling, 36 metres, and underground work (drift repairs), on OK 1 and 2.

REFERENCES: Mineral Inventory 92H/SE-73, 74, 120; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 143.

NICKEL PLATE (Fig. E-1, NTS 92, No. 61)

LOCATION: Lat. 49° 23′ Long. 120° 03′ (92H/8E)
OSOYOOS M.D. Three kilometres northeast of Hedley, on Nickel Plate Mountain.

CLAIMS: Mineral Lease M-71 and M-72 plus 86 claims including BULLDOG, SUNNYSIDE, NICKEL PLATE, COPPER FIELD, and GRAN DUKE (Lots 739 to 742 and Lot 1600).

OWNER: MASCOT NICKEL PLATE MINES LIMITED, 900, 837 West Hastings Street, Vancouver V6C 1B6.

METALS: Gold, silver, copper, cobalt.

DESCRIPTION: Mineralization occurs in a metamorphosed limestone associated with basic stocks, dykes, and sills. Arsenopyrite is the important gold carrier.

WORK DONE: Adit and trench rehabilitation, on Copper Field and Nickel Plate; underground and trench sampling, 688 samples analysed for gold, silver, copper, and cobalt, on Iron Duke, Sunnyside, and Bulldog.

REFERENCES: Mineral Inventory 92H/SE-36 to 38, 49, 61 to 63, 82; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 136.

CATHEDRAL (Fig. E-1, NTS 92, No. 60)

LOCATION: Lat. 49° 25′ Long. 120° 07′ (92H/8E)
OSOYOOS and SIMILKAMEEN M.D. Seven kilometres north-northwest of Hedley, on the west side of McNulty Creek, 3.5 kilometres northwest of its confluence with Hedley Creek.

CLAIMS: CATHEDRAL 1 to 5 (36 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., Box 999, 335 Eighth Avenue SW, Calgary, Alberta T2P 2K6.

DESCRIPTION: The claims are underlain by Mesozoic granitic rocks. Tertiary age sedimentary and conglomerate rocks rest on the granitic rocks in the southern part of the property, while in the northern part, relatively flat-lying Tertiary basalt flow rocks occur.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; ground radiometric survey; ground magnetometer survey, 20 kilometres; geochemical survey, 232 soil and 10 rock samples analysed for uranium and 10 silt and 8 water samples analysed for uranium and pH, covering Cathedral 1 and 2.

REFERENCE: Assessment Report 7511.

COPPER FARM (BONNIE, BARB) (Fig. E-1, NTS 92, No. 62)

LOCATION: Lat. 49° 27′ Long. 120° 24′ (92H/8W)
SIMILKAMEEN M.D. Eight kilometres east of Princeton, on the south side of Similkameen River.

CLAIM: GOD (4 units).

OWNER: Exel Explorations Ltd.

OPERATOR: NORTHERN LIGHTS RESOURCES LTD., 6017 Larch Street, Vancouver.

METALS: Copper, silver.

DESCRIPTION: Vein-type copper and silver mineralization occurs in andesitic rocks.

WORK DONE: Surface diamond drilling, 1 BQ hole, totalling 90.9 metres, on GOD.

REFERENCES: Mineral Inventory 92H/SE-91; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 144; Assessment Reports 6601, 7551.

REGAL (GE, BTU) (Fig. E-1, NTS 92, No. 203)

LOCATION: Lat. 49° 29.5′ Long. 120° 28′ (92H/8W)
SIMILKAMEEN M.D. Four kilometres northeast of Princeton, on Deer Valley Creek.

CLAIMS: JWG MINER (8 units), OLD BALDY (9 units).

OWNER: K. W. Livingstone.

OPERATOR: JMT SERVICES CORP., 8827 Hudson Street, Vancouver.

METAL: Copper.

WORK DONE: Percussion drilling, 4 holes, totalling 68 metres, on JWG Miner.

REFERENCES: Mineral Inventory 92H/SE-78; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 128; Assessment Reports 251, 448, 6636, 7477.

MAPLE LEAF (Fig. E-1, NTS 92, No. 58)

LOCATION: Lat. 49° 21′ Long. 120° 08′ (92H/8E)
OSOYOOS M.D. Four kilometres west of Hedley on Henri Creek near its confluence with Similkameen River.

CLAIMS: PINE KNOT 601, PINE KNOT 602, PINE KNOT 3 and 4, 11, 12, 13, 14 (Lots 43S to 46S, 3351S, 3356S).

OWNER: BANBURY GOLD MINES LTD., 302, 540 Burrard Street, Vancouver V6C 2K1.

METALS: Gold, silver, copper, lead.

DESCRIPTION: Mineralization occurs in quartz veins and stringers in diorite stock-like bodies which intrude country rock of Triassic age.

WORK DONE: Road construction, 2 400 metres, on Pine Knot 601, 602, 12 and Lots 43S, 45S, 46S; surface diamond drilling, 8 AQ holes, totalling 3 084 metres, on Pine Knot 12 and Lots 43S and 45S; surface geological mapping, 1:500.

REFERENCES: Mineral Inventory 92H/SE-46; *Minister of Mines, B.C.*, Ann. Rept., 1936, pp. D5 to D9; *Geol. Surv., Canada*, Mem. 243, p. 76.

McNULTY (Fig. E-1, NTS 92, No. 59)

LOCATION: Lat. 49° 27' Long. 120° 07' (92H/8E)
OSOYOOS M.D. Ten kilometres north-northwest of Hedley, on the west side of McNulty Creek.

CLAIMS: McNULTY 1 (12 units), McNULTY 2 (18 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2

DESCRIPTION: The Jurassic Similkameen batholith, mainly granodiorites and quartz diorites, in places is overlain by Tertiary sedimentary rocks and basalts of the Princeton Group. No mineralization has been found.

WORK DONE: Rotary drilling, 4 holes, totalling 508.74 metres; 67 drill cuttings analysed for U_3O_8, on McNulty 2.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 144.

ALARIC (Fig. E-1, NTS 92, No. 66)

LOCATION: Lat. 49° 37' Long. 120° 06' (92H/9E)
OSOYOOS M.D. Thirty kilometres of Summerland, covering the headwaters of several branches of McNulty Creek.

CLAIMS: ALARIC 1 to 8 (126 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claims are underlain entirely by intrusive rocks belonging to the Cretaceous Okanagan batholith. No mineralization has been detected within the confines of the property.

WORK DONE: Surface geological mapping, 1:5000 and geochemical survey, 2 155 soil samples analysed for uranium, covering Alaric 2, 3, 5-8.

REFERENCE: Assessment Report 7594.

CHAIN (Fig. E-1, NTS 92, No. 68)

LOCATION: Lat. 49° 40' Long. 120° 00' (92H/9E; 82E/12W)
OSOYOOS M.D. Twenty-four kilometres west-northwest of Summerland on the north side of Lost Chain Creek.

CLAIM: CHAIN 1 (20 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claim is underlain by Cretaceous intrusive rocks of the Okanagan batholith and range in composition from quartz diorite to quartz monzonite. Geological mapping indicates that the intrusive rocks are not altered, nor do they contain visible mineralization.

WORK DONE: Surface geological mapping, 1:5000 and geochemical survey, 560 soil samples analysed for uranium, covering Chain 1.

REFERENCE: Assessment Report 7629.

OSP (Fig. E-1, NTS 92, No. 65)

LOCATION: Lat. 49° 40′ Long. 120° 07′ (92H/9E)
SIMILKAMEEN M.D. Thirty kilometres west-northwest of Summerland, 7 kilometres southeast of east end of Osprey Lake.

CLAIMS: OSP 1 to 8 (138 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

DESCRIPTION: Quartz porphyry and aplite dykes are intruded into the Osprey Lake granodiorite batholith. Pyrite and sparse molybdenite mineralization occurs in fractures and quartz veins within the intrusive rocks.

WORK DONE: Geochemical survey, 893 soil and 31 silt samples analysed for copper, lead, zinc, molybdenum, covering all claims.

REFERENCE: Assessment Report 7729.

DEMUTH (Fig. E-1, NTS 82, No. 71)

LOCATION: Lat. 49° 41′ Long. 120° 00′ (82E/12W; 92H/9E)
Report on this property in 82E/12W.

PRESS (Fig. E-1, NTS 92, No. 67)

LOCATION: Lat. 49° 41′ Long. 120° 11′ (92H/9E)
SIMILKAMEEN M.D. Thirty-three kilometres west-northwest of Summerland, 3 kilometres south of Osprey Lake.

CLAIMS: PRESS 1 to 3 (46 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claims are underlain by Cretaceous intrusive rocks belonging to the Okanagan batholith. For the most part the rocks are porphyritic, containing megacrysts of potash feldspar set in a matrix of quartz monzonite to granodiorite. The intrusive rocks are massive and unaltered and they contain no visible mineralization.

WORK DONE: Surface geological mapping, 1:5000 and geochemical survey, 1 245 soil samples analysed for uranium, covering all claims.

REFERENCE: Assessment Report 7589.

HP (Fig. E-1, NTS 92, No. 69)

LOCATION: Lat. 49° 42′ Long. 120° 08′ (92H/9E)
SIMILKAMEEN M.D. Thirty-two kilometres west-northwest of Summerland, 5 kilometres east of Osprey Lake.

CLAIMS: HP 1 to 6 (1 unit each).

OWNERS: H. L. Williams and P. Crean.

OPERATOR: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver.

DESCRIPTION: The property lies near the centre of the Okanagan batholith. Porphyritic biotite granodiorite, medium-grained leucoquartz monzonite, and fine-grained sucrosic textured alaskite make up the country rock. Molybdenite occurs as coatings along slips and fractures in the quartz monzonite and the alaskite.

WORK DONE: Geochemical survey, 215 soil samples analysed for molybdenum, copper, lead, and zinc, covering all claims.

REFERENCE: Assessment Report 7449.

DECANO (Fig. E-1, NTS 92, No. 201)

LOCATION: Lat. 49° 44.5′ Long. 120° 01′ (92H/9E)
SIMILKAMEEN M.D. Fifteen kilometres south of the Brenda mine, at the confluence of Camp and Chipman Creeks.

CLAIMS: SPIRIT (20 units), MARG 5 (20 units).

OWNER: Bardine Oils Ltd.

OPERATOR: PETCO ENTERPRISES LTD., c/o E. S. Peters, 904, 885 Dunsmuir Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: Very few rock outcrops that penetrate glacial till are well-altered intrusions.

WORK DONE: Geochemical survey, 134 soil samples analysed for molybdenum and fluorine, covering both claims.

REFERENCES: Mineral Inventory 92H/NE-27; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 145; Assessment Reports 2224, 6563, 6793, 7788.

LUCKY STRIKE (BONACCI, FH) (Fig. E-1, NTS 92, No. 204)

LOCATION: Lat. 49° 33′ Long. 120° 26′ (92H/9W)
SIMILKAMEEN M.D. One kilometre east of Jura, extending south of Christian Creek.

CLAIM: IRLY BIRD (6 units).

OWNER: K. W. Livingstone.

OPERATOR: SUPERIOR OIL COMPANY, Box 14287, Tuscon, Arizona 85732, U.S.A.

METALS: Copper, gold.

DESCRIPTION: The property is underlain by pyritized Nicola volcanic rocks adjacent to a quartz monzonite stock. Minor amounts of chalcopyrite and malachite are exposed in road cuts. Better copper values carry associated minor gold mineralization.

WORK DONE: Percussion drilling, 9 holes, totalling 230 metres.

REFERENCES: Mineral Inventory 92H/NE-24; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 129; Assessment Reports 318, 6292, 7476.

MUF (Fig. E-1, NTS 92, No. 71)

LOCATION: Lat. 49° 40′ Long. 120° 28′ (92H/9W)
SIMILKAMEEN M.D. Twenty-three kilometres north of Princeton, 2 kilometres east of Rampart Lake.

CLAIM: MUF (20 units).

OWNER: BRACE RESOURCES LTD., 511, 850 West Hastings Street, Vancouver V6C 1E1.

DESCRIPTION: The property is underlain mainly by Nicola volcanic rocks on the west flank of the Similkameen batholith.

WORK DONE: Geochemical survey, 254 soil samples analysed for copper, molybdenum, lead, zinc, silver, and uranium, covering Muf.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 146; Assessment Reports 5971, 6809, 7458.

GLAD (Fig. E-1, NTS 92, No. 70)

LOCATION: Lat. 49° 33′ Long. 120° 29′ (92H/9W, 8W)
SIMILKAMEEN M.D. Eight kilometres north-northeast of Princeton, extending north and south of Separation Lakes.

CLAIMS: GLAD 1 to 10 (110 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by Eocene continental clastic sedimentary and minor volcanic rocks of the Eocene Princeton Group. These rocks are underlain by the Triassic Nicola volcanic rocks, Cretaceous Kingsvale volcanic rocks, and the Upper Cretaceous Otter intrusive rocks. Small outliers of Pliocene Plateau basalts overlie the Princeton Group locally. No visible mineralization was encountered.

WORK DONE: Geochemical survey, 44 lake, stream, and swamp water and 31 rock chip samples analysed for uranium, covering all claims; surface diamond drilling, 2 BQ holes, totalling 336.6 metres; drill core sampling, 128 samples analysed for uranium; downhole logging, 228.9 metres; and 14 water samples analysed for uranium, covering Glad 9.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 146; Assessment Report 7795.

ROADBLOCK, EJ **(Fig. E-1, NTS 92, No. 72)**

LOCATION: Lat. 49° 44′ Long. 120° 30′ (92H/9W, 10E)
SIMILKAMEEN M.D. Twenty-seven kilometres northeast of Tulameen, extending from 2 to 7 kilometres south of Missezula Lake along and east of Summers Creek.

CLAIMS: HG 1 to 5 (32 units), MS 1 to 16.

OWNERS: E. Mullin, P. Mullin, and W. C. Stevens.

OPERATOR: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

METAL: Copper.

DESCRIPTION: On HG 1 claim, sporadic disseminated chalcopyrite and pyrite occur in monzonite. On MS 4 claim, minor chalcocite is found in a syenite laharic breccia.

WORK DONE: Geological mapping, 1:2500; and geochemical survey, 389 soil samples analysed for copper and 9 rock samples analysed for copper, silver, and gold, covering HG 1, 2, MS 4.

REFERENCES: Mineral Inventory 92H/NE-41, 119, 156; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 279; 1973, p. 140; Assessment Reports 1928, 4345, 7584.

FIN **(Fig. E-1, NTS 92, No. 63)**

LOCATION: Lat. 49° 36′ Long. 120° 15′ (92H/9)
SIMILKAMEEN M.D. Fourteen kilometres south of Bankeir, at the head of Finnegan and Grant Creeks.

CLAIMS: FIN 1 and 2 (40 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The area is underlain by a perthitic megacrystic quartz monzonite of Late Jurassic/Early Cretaceous age, a part of the Okanagan batholitic complex.

WORK DONE: Surface geological mapping, 6.7 square kilometres; linecutting; geochemical survey, 222 soil samples analysed for uranium and thorium and 35 rock chip samples analysed for uranium; and ground radiometric survey, 27 kilometres, covering both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 144; Assessment Report 7773.

LINK **(Fig. E-1, NTS 92, No. 64)**

LOCATION: Lat. 49° 42′ Long. 120° 15′ (92H/9)
SIMILKAMEEN M.D. Two kilometres south of Bankeir, immediately south of Link Lake.

CLAIMS: LINK 1 to 3 (42 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The area is underlain by Empress granites, McNulty quartz monzonites, and Jura granodiorites of the Okanagan batholith.

WORK DONE: Linecutting, 92 kilometres; surface geological mapping, 10.4 square kilometres; geochemical survey, 1 622 soil and 124 rock chip samples analysed for uranium and thorium; geophysical survey, 644 readings; and ground radiometric survey, 3 058 readings, covering all claims; surface diamond drilling, 2 BQ holes, totalling 330 metres; downhole logging, 330 metres; 278 drill core samples analysed for uranium and 81 for thorium and 20 drill water samples analysed for uranium, covering Link 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 145; Assessment Report 7306.

H—H (Fig. E-1, NTS 92, No. 74)

LOCATION: Lat. 49° 31′ Long. 120° 52′ (92H/10W)
SIMILKAMEEN M.D. Eight kilometres west-southwest of Tulameen, on the south side of Tulameen River, covering Hines Creek.

CLAIMS: H & H 1 to 4, H & H 128 (4 units), H & H 265 (9 units), H & H 652 (6 units), H & H 654 (1 unit).

OWNER: C. HALLIDAY, Box 1900, Queen Street, Hope V0X 1L0.

DESCRIPTION: The country rock consists mainly of ultrabasic pyroxene, peridotite, and dunite. Quartz veins carry gold and platinum values.

WORK DONE: Prospecting including dip needle survey and rock sampling, covering all claims.

BONANZA QUEEN, NEVADA (Fig. E-1, NTS 92, No. 76)

LOCATION: Lat. 49° 32.5′ Long. 120° 52′ (92H/10W)
SIMILKAMEEN M.D. Eight kilometres west of Tulameen, on the north side of Tulameen River opposite Hines Creek.

CLAIMS: BONANZA QUEEN (Lot 72), NEVADA (Lot 79), BONANZA GOLD (2 units).

OPERATOR: D. JAVORSKY, 1614, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Gold, copper.

DESCRIPTION: A quartz vein of Neogenic age, striking north 20 degrees east and dipping 70 degrees southeast, with *en echelon* faulting, carries pyrite, chalcopyrite, and gold values.

WORK DONE: Prospecting, covering all claims; trenching and sampling, covering Bonanza Queen and Nevada.

REFERENCES: Mineral Inventory 92H/NE-68, 69; *B.C. Ministry of Energy, Mines & Pet. Res.*, Property File, Special Report, Grasshopper Mountain, M. S. Hedley, 1937.

RABBITT (GRASSHOPPER) **(Fig. E-1, NTS 92, No. 75)**

LOCATION: Lat. 49° 33' Long. 120° 52' (92H/10W)
SIMILKAMEEN M.D. On the north side of the Tulameen River, 7 kilometres due west of the south end of Otter Creek.

CLAIMS: GAIL GOLD (4 units), GOLD MOUNT (12 units), WELDONIA.

OWNER: D. JAVORSKY, 1614, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: Quartz veins carry sulphide mineralization as fracture fillings in volcanic rocks.

WORK DONE: Trenching; sampling; adit rehabilitation; linecutting; and road repair.

REFERENCES: Mineral Inventory 92H/NE-14; *Minister of Mines, B.C.*, Ann. Rept., 1960, p. 52.

RED BIRD, SPOKANE (LODE) **(Fig. E-1, NTS 92, No. 73)**

LOCATION: Lat. 49° 35' Long. 120° 49' (92H/10W)
SIMILKAMEEN M.D. Seven kilometres northwest of the town of Tulameen, 3 kilometres west of Otter Lake, extending north and south of Lockie Creek.

CLAIMS: JOHN X 1 to X 8 (36 units), JAME X 1 to X 2 (30 units).

OPERATOR: NORTHERN LIGHTS RESOURCES LTD., 6017 Larch Street, Vancouver.

METALS: Zinc, lead, copper, (gold, silver).

DESCRIPTION: Andesite of the Upper Triassic Nicola Group volcanic rocks contains occasional diabase dykes, a number of quartz veins and stringers, with some shear zones. Pyrite and chalcopyrite mineralization occurs in a band, perhaps associated with the quartz veining, and in silicified shear zones.

WORK DONE: 1978 – surface diamond drilling, 2 AQ holes, totalling 122 metres, on Jame X 1; 1979 – surface geological mapping, 1:2500, covering John X 1-X 3.

REFERENCES: Mineral Inventory 92H/NE-19, 20; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 147; Assessment Reports 7064, 7159, 7710.

DOMINION **(Fig. E-1, NTS 92, No. 77)**

LOCATION: Lat. 49° 32' Long. 121° 10' (92H/11E)
NEW WESTMINSTER M.D. Twenty kilometres east of Yale between Boston Bar Creek and the Coquihalla River at the head of Norley Creek.

CLAIMS: MILE HIGH 1 to 10.

OWNER: A. R. Raven.

OPERATOR: E. S. PETERS, 904, 885 Dunsmuir Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by Jurassic quartz diorite, intruded by mineralized Early Cretaceous dykes and stocks and by later rhyolitic intrusions. Mineralization consists of molybdenite, chalcopyrite, and pyrite, disseminated in the intrusive rocks and as cavity fillings and on slip planes along quartz veins and stringers.

WORK DONE: 1978 – surface geological mapping, 1:3600, covering all claims.

REFERENCES: Mineral Inventory 92H/NW-12; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 61 (Iago); *Geol. Surv., Canada*, Mem. 139, p. 163; Assessment Reports 1125, 7391.

KEYSTONE, JULIE, WHAT, MAG (Fig. E-1, NTS 92, No. 78)

LOCATION: Lat. 49° 42' Long. 121° 01' (92H/11E)
NICOLA M.D. Twenty-seven kilometres east of Spuzzum, along Coldwater River to the east of July Mountain.

CLAIMS: KEYSTONE, BONANZA, RIVER QUEEN 1 to 3, RED BOG, COMSTOCK, DRY 1, BLUE GOLD, FALLS (77 units).

OWNER: WESTERN MINES LIMITED, 1103, 595 Burrard Street, Box 49066, Vancouver V7X 1C4.

METALS: Molybdenum, (copper, zinc, lead, silver)

DESCRIPTION: Molybdenite mineralization is associated with a quartz-pyrite stockwork within an Early Tertiary quartz diorite stock. The Keystone multiphase intrusive system is coaxial to a post-mineral intrusive breccia (the pebble breccia pipe) that has destroyed much of the quartz-pyrite stockworks. Late-stage zinc-lead-pyrite veining has occurred.

WORK DONE: Induced polarization survey (down hole), 10 kilometres and surface diamond drilling, 3 NQ-BQ holes, totalling 3 611 metres, on Keystone.

REFERENCES: Mineral Inventory 92H/NW-22 to 24, 50; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 147; Assessment Reports 696, 2610, 3123, 3595, 4173, 4516, 6758, 7135, 7771.

HILLSBAR (Fig. E-1, NTS 92, No. 79)

LOCATION: Lat. 49° 32' Long. 121° 23' (92H/11W)
NEW WESTMINSTER M.D. Five kilometres southeast of Yale on and to the south of Qualark Creek.

CLAIMS: RACHEL (3 units), CHIVONNE 1 to 5.

OWNERS: A. Badovinac and B. A. Cochrane.

OPERATOR: A. BADOVINAC, 600 Kingsway, Vancouver V5T 3K4.

METAL: Gold.

DESCRIPTION: Gold occurs in quartz veins exposed in the old Hillsbar adit in argillaceous schist, slate, and chert of the Hozameen Group, on the west flank of the Coquihalla serpentine belt and east of the Custer gneiss.

WORK DONE: Ground magnetometer survey, 2 kilometres; and resampling of Hillsbar adit, covering Rachel.

REFERENCES: Mineral Inventory 92H/NW-38; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 73; Assessment Report 7643.

SPUZ, STEM (Fig. E-1, NTS 92, No. 81)

LOCATION: Lat. 49° 37′ Long. 121° 22′ (92H/11W)
NEW WESTMINSTER M.D. Centred 9 kilometres northeast of Yale, extending from Spider Peak north-northwestward for a distance of 22 kilometres.

CLAIMS: LAST, MAJ-B, MAJ-C, GILT, MAG A, SPUZ A, SPUZ B, SPUZ C, SPUZ D, SPUZ G, ROD E, DICK, SPID (141 units), and STEM 1 to 12.

OWNER: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta V4K 2T8.

METAL: Gold.

DESCRIPTION: The claims straddle the Coquihalla serpentine band and Hozameen fault which marks the west boundary of the Methow graben, a major crustal feature separating Late Jurassic Ladner Group slates from Paleozoic Hozameen Group cherts and metavolcanic rocks of unknown age.

WORK DONE: Linecutting, approximately 84 kilometres; geochemical survey, approximately 2 300 soil samples analysed for gold; and air photograph interpretation, covering all claims; surface diamond drilling, 7 NQ holes, totalling 640.7 metres, on Spuz A.

REFERENCES: Mineral Inventory 92H/NW-33, 53 to 55; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 150; Assessment Reports 6046, 6813, 6928, 6962, 7168, 7495, 7578, 7673.

PIPE (Fig. E-1, NTS 92, No. 80)

LOCATION: Lat. 49° 37′ Long. 121° 28′ (92H/11W)
NEW WESTMINSTER M.D. Five kilometres northwest of Yale, on Sawmill Creek, 4 kilometres west of the Fraser River.

CLAIMS: JAY 1 to 7 (32 units).

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Molybdenum, copper, zinc.

DESCRIPTION: Tertiary Spuzzum pluton is intruded by rhyolite dykes and rhyolite breccia pipes. Molybdenite is associated with the breccia pipes.

WORK DONE: Geochemical survey, 230 soil samples analysed for molybdenum, copper, nickel, cobalt, manganese, iron, silver, lead, and zinc, covering

Jay 1-5, 7; surface diamond drilling, 3 NQ holes, totalling 631 metres, on Jay 1, 2.

REFERENCES: Mineral Inventory 92H/NW-44; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 134; Assessment Reports 3797, 6262, 6472, 7552.

STRIKE, LORNA (LOG) (Fig. E-1, NTS 92, No. 86)

LOCATION: Lat. 49° 47' Long. 120° 34' (92H/15E)
NICOLA M.D. Thirty-six kilometres north of Princeton, 3 kilometres west of Missezula Lake.

CLAIMS: LOG 1 (12 units), LOG 2 (20 units), LOG 3 (12 units), LOG 4 (16 units).

OPERATOR: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METAL: Copper.

DESCRIPTION: Triassic Nicola volcanic and Jurassic intermediate intrusive rocks are the dominant rock types of the region. The claims are underlain by Nicola metasedimentary rocks that have been intruded by a small plug of medium-grained syenodiorite and monzonite. This intrusion is weakly mineralized with copper and is extensively covered by glacial drift. The lower areas of the property are covered by Tertiary flow rocks.

WORK DONE: Two induced polarization surveys, 39.82 kilometres, covering all claims; surface diamond drilling, 1 hole, totalling 92 metres, on Log 3.

REFERENCES: Mineral Inventory 92H/NE-115, 118, 131, 152; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 76, E 77; GEM, 1974, p. 125; Assessment Reports 977, 978, 4167, 4227, 4709, 5331, 5601, 7543.

BOSS, DAISY (Fig. E-1, NTS 92, No. 85)

LOCATION: Lat. 49° 50' Long. 120° 35' (92H/15E)
NICOLA M.D. Centred 3 kilometres west-northwest of the north end of Missezula Lake.

CLAIMS: THALIA 1 (20 units), THALIA 2 (5 units), THALIA 3 (12 units), THALIA 4 (4 units), THALIA 5 (6 units), THALIA 6 (1 unit), THALIA 7 (2 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

METAL: Copper.

DESCRIPTION: The property is underlain by Triassic alkaline tuffs and breccia rocks intruded by diorite and monzonite dykes and plugs bearing chalcocite and chalcopyrite.

WORK DONE: Surface geological mapping, 1:10 000, covering Thalia 1, 3, 6, and 7; ground magnetometer survey, 3.7 kilometres, and geochemical survey, 165 soil samples analysed for copper, covering Thalia 1 and 3; induced polarization survey, 3.7 kilometres, covering Thalia 1; percussion drilling, 6 holes, totalling 277.6 metres, on Thalia 4 and 5.

REFERENCES: Mineral Inventory 92H/NE-91, 130, 151; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 151; Assessment Reports 4495, 7165, 7724.

BLUEY (Fig. E-1, NTS 92, No. 88)

LOCATION: Lat. 49° 53′ Long. 120° 35′ (92H/15E)
NICOLA M.D. Eight kilometres south-southeast of Aspen Grove, 1 kilometre northwest of Bluey Lake.

CLAIMS: BLUEY (6 units), BALSAM Fraction (1 unit).

OWNERS: F. Gingell and R. W. Yorke-Hardy.

OPERATOR: F. GINGELL, 325, 6400 Roberts Street, Burnaby.

METALS: Copper, silver.

DESCRIPTION: The property is underlain by a sequence of volcanic flow rocks, calcareous conglomerate, greywacke, and limestone intruded by small bodies of monzonite and diorite. Chalcopyrite, malachite, bornite, chalcocite, and magnetite occur as fracture coatings, blebs, and stringers.

WORK DONE: Geochemical survey, 293 soil samples analysed for copper and silver, covering Bluey.

REFERENCES: Mineral Inventory 92H/NE-87, 89; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 87; Assessment Reports 4081, 4082, 5908, 6302, 7679.

PAYCO, CINCINATTI (Fig. E-1, NTS 92, No. 202)

LOCATION: Lat. 49° 55′ Long. 120° 34′ (92H/15E)
NICOLA M.D. Four kilometres southeast of Aspen Grove on the west side of Alleyne Lake.

CLAIM: LISA (8 units).

OWNER: SIENNA DEVELOPMENT CORPORATION, 3rd Floor, 555 Howe Street, Vancouver.

METALS: Copper, (silver).

DESCRIPTION: Chalcopyrite, pyrite, calcite, native copper, and hematite blebs and stringers occur in fractured agglomerate rock.

WORK DONE: Surface diamond drilling, 2 BQ holes, totalling 150 metres, on Lisa.

REFERENCES: Mineral Inventory 92H/NE-84, 172; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 125; Assessment Reports 7029, 7050, 7654.

AU (Fig. E-1, NTS 92, No. 84)

LOCATION: Lat. 49° 57′ Long. 120° 31′ (92H/15E)
NICOLA M.D. Eight kilometres east of Aspen Grove, 2 kilometres east of Pothole Lake.

CLAIMS: AU 1 to 5 (20 units).

OWNER: INVEX RESOURCES LTD., 615, 744 West Hastings Street, Vancouver V6C 1A9.

METALS: Gold, copper.

DESCRIPTION: Gold occurs in a microdiorite sill in Nicola volcanic and sedimentary rocks.

WORK DONE: Trenching, 70 metres; prospecting and mapping, 80 square kilometres; and geochemical survey, 559 soil and 19 rock samples analysed for gold, silver, and copper, covering AU 1.

REFERENCES: Mineral Inventory 92H/NE-144, 171; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 379; Assessment Reports 5766, 7293, 7399.

HALO (Fig. E-1, NTS 92, No. 87)

LOCATION: Lat. 49° 57′ Long. 120° 35′ (92H/15E)
NICOLA M.D. Three kilometres east-northeast of Aspen Grove, south of Tule Lake.

CLAIMS: HALO 1, HALO 200, HALO 300, HALO 600, HALO 700 (approximately 30 units).

OWNER: DAVID MINERALS LTD., 1020, 475 Howe Street, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: The claims cover the Big Kidd breccia pipe, a circular diorite intrusive rock which is mineralized with varying proportions of magnetite, chalcopyrite, and pyrite.

WORK DONE: Self-potential survey, 7.65 kilometres, covering Halo 200, 300, 600, and 700.

REFERENCES: Mineral Inventory 92H/NE-71 to 76; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 152; Assessment Reports 1620, 1827, 3512, 5719, 5849, 5944, 6035, 6555, 7100, 7716.

TAB, BLUEJAY (Fig. E-1, NTS 92, No. 82)

LOCATION: Lat. 49° 58′ Long. 120° 35′ (92H/15E)
NICOLA M.D. Centred 5 kilometres northeast of Aspen Grove, at Tule Lake, Tinmilsh Creek, and Logans Creek.

CLAIMS: SNOWFLAKE, SNOWFLAKE 2 to 10, TULE 10 (84 units).

OPERATOR: COMINCO LTD., 7th Floor, 200 Granville Square, Vancouver V6C 1T2.

METAL: Copper.

DESCRIPTION: Upper Triassic Nicola volcanic rocks are intruded by coeval diorite and monzonite stocks. Native copper, chalcocite, chalcopyrite, bornite, and malachite occur in old trenches in several places on the property. The mineralization occurs chiefly in fractures in moderately altered diorite with disseminated sulphides more common in weakly and highly altered diorite. Native copper occurs both in disseminated form and in fractures in weakly altered diorite.

WORK DONE: Percussion drilling, 24 holes, totalling 1 644 metres, on Snowflake, and Snowflake 3, 4, 7; induced polarization and ground magnetometer survey, 26 kilometres, covering Snowflake 2, 4, 5, 7-10.

REFERENCES: Mineral Inventory 92H/NE-52, 105, 145; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 153; Assessment Reports 250, 1842, 3555, 5875, 6260, 6837, 7122, 7365.

CYCLE (Fig. E-1, NTS 92, No. 83)

LOCATION: Lat. 49° 59' Long. 120° 43' (92H/15E)
NICOLA M.D. Eight kilometres northwest of Aspen Grove, two kilometres west-northwest of Kane Lake.

CLAIM: CYCLE (9 units).

OWNER: REDLAND RESOURCE LTD., 504, 555 – 13th Street, West Vancouver.

DESCRIPTION: The area is underlain by Nicola Group andesite flows and tuffs. Chalcopyrite occurs as fillings in porphyritic amygdaloidal lava.

WORK DONE: Linecutting, 17.8 kilometres and geochemical survey, 294 soil samples analysed for copper, on west portion of Cycle.

REFERENCE: Assessment Report 7457.

PRIMER (KING GEORGE, OB, OC) (Fig. E-1, NTS 92, No. 90)

LOCATION: Lat. 49° 45' Long. 120° 28' (92H/16W)
SIMILKAMEEN and NICOLA M.D. Immediately east and southeast of the south end of Missezula Lake.

CLAIMS: PRIME (16 units), PRIME 1 (8 units), PRIME 2 (16 units).

OWNER: PIPER PETROLEUMS LTD., 9th Floor, 850 West Hastings Street, Vancouver V6C 1E1.

METAL: Copper.

DESCRIPTION: Moderately to highly altered country rocks, comprising Nicola Group andesitic flows, tuffs, and agglomerates, are intruded locally by a hornblende diorite body. Copper mineralization occurs in the form of chalcopyrite with secondary malachite on surfaces. The mineralization in this area is low grade and chloritic, feldspathic, and silicic alteration is associated with an east-west-trending diorite intrusion and a northwesterly trending fault shear zone.

WORK DONE: Geological survey covering outcrops; grid survey, 1:2500; and ground magnetometer survey, 13.7 kilometres, covering all claims.

REFERENCES: Mineral Inventory 92H/NE-55, 56, 110; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 154; Assessment Reports 6412, 6877, 6900, 7340, 7521.

DUCHESS (Fig. E-1, NTS 92, No. 91)

LOCATION: Lat. 49° 52′ Long. 120° 19′ (92H/16W)
SIMILKAMEEN M.D. Eighteen kilometres north-northwest of Osprey Lake station, 3 kilometres north-northwest of Siwash Lake.

CLAIMS: BEND 99 and 100.

OWNER: D. E. Agur.

OPERATOR: AGUR LOGGING CO. LTD., Box 930, Summerland V0H 1Z0.

METAL: Copper.

WORK DONE: Two trenches, totalling 7 metres, covering both claims.

REFERENCES: Mineral Inventory 92H/NE-137; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 161; Assessment Report 4525.

SNOWSTORM, MABEL, TOP, EL PASO (Fig. E-1, NTS 92, No. 92)

LOCATION: Lat. 49° 47′ Long. 120° 20′ (92H/16W, 9W)
SIMILKAMEEN M.D. Twelve kilometres east of Missezula Lake, and 6 kilometres southwest of Siwash Lake, extending northwestward from north of Simem Creek for 14 kilometres on both sides of Siwash Creek.

CLAIMS: VM 1 to 4, ED, ED 2, SASKAT 1 and 2, JUNE 1 and 2, HAWK, JEAN 1 and 2, SKYE 1 to 3, NANCI-P 1 and 2, SKYLAB, HERDEL, TEE-PEE, B&B, PAT 1 to 4, CHARLIE, ARP, FERGITO-ALLENDO 1 and 2, TIMBO-TAVISH (approximately 160 units) and five SIWASH claims (44 units).

OWNERS: Brenda Mines Ltd., D.E. Agur, and E. Mullin.

OPERATOR: BRENDA MINES LTD., Box 420, Peachland.

METALS: Copper, silver, lead, zinc.

DESCRIPTION: In the northern part of the property, an elliptical diorite stock intrudes andesite and andesite tuffs of the Nicola Group. Copper sulphide mineralization occurs along the diorite/andesite contact. The southern part is underlain by granite, granodiorites, diorites, and quartz feldspar porphyries related to the Otter intrusions. Quartz veins, altered siliceous zones, and thin veinlets carry mineralization consisting of pyrite, specular hematite, and minor amounts of sphalerite, galena, chalcopyrite, tetrahedrite, and bornite.

WORK DONE: 1978 – surface diamond drilling, 3 BQ holes, totalling 96 metres, on June 1 and 1979 – road construction, 4 400 metres; 7 trenches, totalling 1 700 metres in length; linecutting, 83.6 kilometres; surface geological mapping, 1:7500; geochemical survey, 1 680 soil samples analysed for copper, lead, zinc, and silver; magnetometer survey, 26 kilometres; and induced polarization survey, 28.5 kilometres, general coverage of all claims except Siwash; surface diamond drilling, 3 NQ holes, totalling 515 metres; and upgrading road (5 kilometres) and trenches (4 000 square metres); linecutting, 51.5 kilometres; surface geological mapping, 1:2500 and 1:5000; and geochemical survey, 1 030 soil samples analysed for copper, molybdenum, lead, and zinc, general coverage of Siwash claims.

REFERENCES: Mineral Inventory 92H/NE-1, 28 to 32, 42, 63, 98, 134; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 280, 1973, p. 160; 1974, p. 120; Exploration in B.C., 1978, p. E 153 (Paco): Assessment Reports 1800, 2005, 2389, 2390, 2798, 3282, 4347, 4969, 7547.

DISKO (Fig. E-1, NTS 92, No. 89)

LOCATION: Lat. 49° 45′ Long. 120° 06′ (92H/16E)
SIMILKAMEEN M.D. Fifteen kilometres south-southwest of the Brenda mine, on the west slope of Mount Kathleen.
CLAIMS: DISKO 2 and 3 (6 units).
OWNER: D. E. AGUR, Box 930, Summerland V0H 1Z0.
DESCRIPTION: Vein structure 1.8 metres wide in granite; minor molybdenite and pyrite in silicified brecciated quartz stock.
WORK DONE: Road construction, 0.8 metre, on Disko 3.

FORK (Fig. E-1, NTS 92, No. 209)

LOCATION: Lat. 49° 47′ Long. 120° 08′ (92H/16E)
SIMILKAMEEN M.D. Fifty-two kilometres northeast of Tulameen, at the confluence of Spring and Trout Creeks.
CLAIMS: FORK 1, 6, 8 to 11 (6 units).
OWNER: D. E. Agur.
OPERATOR: AGUR LOGGING CO. LTD., Box 930, Summerland V0H 1Z0.
DESCRIPTION: Pyrite with minor copper, lead, and zinc minerals occur in brecciated quartz of the Otter intrusive rock contact zone.
WORK DONE: Bulldozer trenching, 200 metres, on Fork 1, 8, and 11; prospecting, covering all claims; road work, 3 000 metres; and geochemical survey, 105 samples analysed for copper, molybdenum, lead, zinc, and silver, covering Fork 8-11.

ASHCROFT 92I

MEL (Fig. E-1, NTS 92, No. 93)

LOCATION: Lat. 50° 02′ Long. 120° 04′ (92I/1E)
NICOLA M.D. Seventeen kilometres southeast of Douglas Lake, between Rock Lake and Jackson Lake.

CLAIMS: MEL 1 and 2 (18 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The area is underlain by a highly uniform coarse-grained, biotite quartz monzonite belonging to the Pennask batholith of Jurassic age. No visible mineralization is present although isolated soil anomalies occur occasionally.

WORK DONE: Surface geological mapping, 1:4800; geochemical survey, 583 soil samples analysed for uranium and 25 rock samples analysed for uranium and thorium; linecutting and ground radiometric survey, 37.44 kilometres, covering Mel 1 and 2.

WAS (Fig. E-1, NTS 92, No. 94)

LOCATION: Lat. 50° 01′ Long. 120° 17′ (92I/1W)
NICOLA M.D. Eleven kilometres west of the north end of Pennask Lake, between Quilchena and Wasley Creeks.

CLAIMS: WAS 1 and 2 (18 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The area is underlain by a biotite-hornblende-granodiorite to quartz monzonite intrusive unit belonging to the Pennask batholith of Late Jurassic/Early Cretaceous age.

WORK DONE: Linecutting, 21 kilometres; surface geological mapping, 1:5 000; geochemical survey, 593 soil samples analysed for uranium and 8 rock chip samples analysed for uranium and thorium; and ground radiometric survey, 1 090 readings over 35.4 kilometres, covering both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 155; Assessment Report 7776.

SUNNY BOY (Fig. E-1, NTS 92, No. 174)

LOCATION: Lat. 50° 08′ Long. 120° 31.5′ (92I/2E)
NICOLA M.D. Nineteen kilometres east of Merritt, 2 kilometres south of Nicola Lake and 1 kilometre west of Quilchena Creek.

CLAIMS: GOLD 49, 50, SUNNY BOY 1 to 9, SHANNON, SPITFIRE 1, 2.

OWNER: L. E. PECKHAM, 301, 277 Arrowstone Drive, Kamloops V2C 1T8.

METALS: Gold, silver, copper.

WORK DONE: Thirteen samples taken, covering Sunny Boy.

REFERENCES: Mineral Inventory 92I/SE-49, 117; Assessment Reports 2750, 5091, 5092, 7662.

NICOLA LAKE (Fig. E-1, NTS 92, No. 96)

LOCATION: Lat. 50° 10′ Long. 120° 34′ (92I/2E)
NICOLA M.D. Sixteen kilometres east-northeast of Merritt on the shore of Nicola Lake, 5 kilometres from its west end.

CLAIM: BONA VISTA (6 units).
OWNER: L. E. PECKHAM, 301, 277 Arrowstone Drive, Kamloops V2C 1T8.
METAL: Copper.
DESCRIPTION: Copper and gold mineralization occurs in a quartz vein associated with shearing, in volcanic rocks 1 kilometre west of a body of granite.
WORK DONE: 1978 – prospecting, covering Bona Vista.
REFERENCES: Mineral Inventory 92I/SE-46; *Minister of Mines, B.C.*, Ann. Rept., 1961, p. 41; Assessment Report 7217.

FOX (Fig. E-1, NTS 92, No. 95)

LOCATION: Lat. 50° 14' Long. 120° 32' (92I/2E)
NICOLA M.D. Twelve kilometres northwest of Nicola, 2 kilometres southeast of Fox Lake.
CLAIM: FOX 1 (12 units).
OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD, 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.
DESCRIPTION: The area is underlain by felsic intrusive rocks belonging to the Early Tertiary (Paleocene) interior phase of the Nicola batholith.
WORK DONE: Linecutting, 16.3 kilometres; surface geological mapping, 1:4800; geochemical survey, 279 silt samples analysed for uranium and 22 rock samples analysed for uranium and thorium; and ground radiometric survey, 503 readings, covering Fox 1.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 156; Assessment Report 7697.

PORCUPINE (Fig. E-1, NTS 92, No. 98)

LOCATION: Lat. 50° 02.5' Long. 120° 37' (92I/2W)
NICOLA M.D. Fourteen kilometres southeast of Merritt, 3 kilometres north of Courtney Lake.
CLAIM: CR 1 (20 units).
OWNER: PENTAGON RESOURCES LTD., 1028, 510 West Hastings Street, Vancouver V6B 1L8.
METAL: Copper.
DESCRIPTION: The claim is underlain by Triassic Nicola volcanic rocks, tuffs, and sedimentary rocks. Isolated mineralization, consisting of chalcopyrite, chalcocite, bornite, and native copper, occurs in the southeast part of the claim.
WORK DONE: Surface diamond drilling, 5 BQ holes, totalling 445 metres, on CR 1.
REFERENCES: Mineral Inventory 92I/SE-54; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 155; Assessment Reports 962, 1595, 7043.

CINDERELLA (Fig. E-1, NTS 92, No. 101)

LOCATION: Lat. 50° 09' Long. 120° 45' (92I/2W)
NICOLA M.D. Four kilometres northeast of Merritt.

CLAIM: CINDERELLA (2 units).
OWNER: H. ALLEN, Box 1397, Merritt V0K 2B0.
METAL: Copper.
DESCRIPTION: The claim is underlain by Nicola Group andesite tuff carrying disseminated pyrite and calcite/epidote veining with associated minor pyrite and chalcopyrite stringers.
WORK DONE: Surface diamond drilling, BQ, 200 metres, on Cinderella.
REFERENCES: Mineral Inventory 92I SE-168; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 154; Assessment Report 7218.

CRAIGMONT – QUARTZITE, ETTA (Fig. E-1, NTS 92, No. 100)

LOCATION: Lat. 50° 12′ Long. 120° 53′ (92I/2W)
NICOLA M.D. Centred 3 kilometres east of the Craigmont open pit.
CLAIMS: Orange and Blue groups, comprising 65 located claims including QUARTZITE, ETTA, HAZEL, POND, OK, SANDY, etc.
OWNER: CRAIGMONT MINES LIMITED, Box 3000, Merritt V0K 2B0.
METAL: (Copper).
DESCRIPTION: A skarn zone occurs in Nicola rocks within the contact aureole of the Guichon batholith.
WORK DONE: Surface diamond drilling, 2 HQ-BQ holes, totalling 733 metres, on Etta 1.
REFERENCES: Mineral Inventory 92I/SE-36 (Eric); *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 157; Assessment Reports 5327, 6746, 6942.

CRAIGMONT – ERIC (Fig. E-1, NTS 92, No. 99)

LOCATION: Lat. 50° 13′ Long. 120° 55′ (92I/2W)
NICOLA M.D. North and east of Craigmont orebodies.
CLAIMS: Mineral Lease M-2 comprising MERRELL 5 to 8, McLEOD 1 to 6, AL 5 and 6 Fractions.
OWNER: CRAIGMONT MINES LIMITED, Box 3000, Merritt V0K 2B0.
METAL: (Copper).
DESCRIPTION: The claims lie due north or along strike due east of Craigmont orebodies within a contact aureole of the Guichon batholith.
WORK DONE: Surface diamond drilling, 1 NQ hole, totalling 151 metres, on McLeod 4 and 2 NQ holes, totalling 515 metres, on AL 5 Fraction and Merrell 5.
REFERENCES: Mineral Inventory 92I SE-36; *Minister of Mines, B.C.*, Ann. Rept., 1960, pp. 26-40.

LEADVILLE (COMSTOCK, LUCKY TODD) (Fig. E-1, NTS 92, No. 97)

LOCATION: Lat. 50° 03′ Long. 120° 45′ (92I/2)
NICOLA M.D. Seven kilometres south-southwest of Merritt, immediately northeast and southeast of the summit of Iron Mountain.

CLAIMS: TWO, BY, FOUR, TWO BY FOUR, TWO BY THREE, SHORT STUD (26 units).

OWNER: K. W. Livingstone.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver.

METALS: Copper, silver, lead, zinc, iron.

DESCRIPTION: The area is underlain by a series of intermediate to acidic tuffs, flows, and breccias with occasional interbedded sedimentary rocks of volcanic origin.

WORK DONE: Linecutting, 17.8 kilometres; geochemical survey, 67 soil and 2 silt samples analysed for copper, lead, zinc, and silver, covering Two By Four.

REFERENCES: Mineral Inventory 92I/SE-52, 53; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 139; Assessment Reports 1735, 3192, 3455, 3711, 5185, 5228, 6248, 7568.

GLACIER (Fig. E-1, NTS 92, No. 102)

LOCATION: Lat. 50° 10′ Long. 121° 51′ (92I/4W)
KAMLOOPS M.D. Nineteen kilometres west-southwest of Lytton on the south side of North Kwoiek Creek, southwest of Antimony Mountain.

CLAIMS: ALPINE (12 units), BOZO 1 (12 units), BOZO 2 (12 units).

OWNER: AQUARIUS RESOURCES LTD., 11450 – 124th Street, Edmonton, Alberta T5M 0K3.

METALS: Gold, silver.

DESCRIPTION: Within a sedimentary-volcanic basin almost completely enclosed by Coast Range granitic rocks, a northwest-trending band of serpentine and talcose rocks, similar to the Coquihalla gold belt, carries vein-type gold.

WORK DONE: Prospecting and surface geological mapping, 1:5000, covering all claims; linecutting, 14 kilometres; and geochemical survey, 273 soil samples analysed for gold, covering Alpine and Bozo 1.

REFERENCES: Mineral Inventory 92I/SW-53; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 159; Assessment Reports 2536, 6854, 7455.

EYE (Fig. E-1, NTS 92, No. 103)

LOCATION: Lat. 50° 21′ Long. 121° 09′ (92I/6E)
KAMLOOPS M.D. In the Highland Valley area, 6 kilometres southwest of Pimainus Lakes at the headwaters of Kloklowuck Creek in the north and extending southward along the west flank of Skwilkwakwil Mountain.

CLAIMS: PAPSI 1 to 5 (87 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1155 West Hastings Street, Vancouver V6E 2H8.

METAL: Copper.

DESCRIPTION: In the area of the claims Upper Triassic Nicola Group rocks are in contact with Lower Cretaceous Spences Bridge Group rocks and with Guichon batholith intrusive rocks.

WORK DONE: Surface geological mapping, 1:10 000; induced polarization survey, 26 kilometres; and geochemical survey, soil and rock samples analysed for copper, lead, molybdenum, and zinc, covering all claims.

REFERENCES: Mineral Inventory 92I/SW-19; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 168; Assessment Reports 230, 2385, 2613, 3322, 4584.

RIO, SAN JOSE, ALAMO (Fig. E-1, NTS 92, No. 105)

LOCATION: Lat. 50° 22′ Long. 121° 02′ (92I/6E)
KAMLOOPS M.D. Twenty-five kilometres southeast of Spences Bridge, from Skuhun Creek northward, along both sides of Skuhost Creek, for a distance of 7 kilometres.

CLAIMS: SV 1 to 6, 8 to 10 (109 units).

OWNERS: NORSEMONT MINING CORPORATION, 409, 1199 West Pender Street, Vancouver V6E 2R1 and LORNEX MINING CORPORATION, Logan Lake.

METALS: Copper, molybdenum.

DESCRIPTION: Malachite and scattered chalcopyrite occur in well-altered Bethsaida intrusive rocks.

WORK DONE: Trenching, 20 trenches, 6 000 cubic metres; and percussion drilling, 16 holes, totalling 690 metres, on SV 4 and 5; surface diamond drilling, 9 BQ holes, totalling 870 metres, on SV 3 and 6.

REFERENCES: Mineral Inventory 92I/SW-8, 20, 33, 43; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 143 (SV); Assessment Reports 1828, 1898, 2085, 2327, 3181, 3193, 3728, 4328, 6611, 7836.

PIMA (Fig. E-1, NTS 92, No. 104)

LOCATION: Lat. 50° 26′ Long. 121° 13′ (92I/6E)
KAMLOOPS M.D. In the Highland Valley, on Pimainus Creek, east-northeast of Spences Bridge.

CLAIM: PIMA 1 (20 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1155 West Hastings Street, Vancouver V6E 2H8.

DESCRIPTION: In the area of the claim group, Upper Triassic Nicola Group volcanic and sedimentary rocks are in contact with Guichon batholith intrusions, ranging from diorite to quartz diorite in the east, and with Lower Cretaceous Spences Bridge Group rocks in the southwest.

WORK DONE: Surface geological mapping, 1:10 000; induced polarization survey, 8.9 kilometres; and geochemical survey, soil and rock samples analysed for lead, copper, zinc, and molybdenum, covering Pima 1.

LORNEX–DAWN (Fig. E-1, NTS 92, No. 108)

LOCATION: Lat. 50° 27′ Long. 121° 00′ (92I/6E)
KAMLOOPS M.D. In the Highland Valley, 4 kilometres northwest of Gnawed Mountain between the Lornex and Highmont pits.
CLAIMS: DAWN 6, 8, DEE Fraction.
OWNER: LORNEX MINING CORPORATION LTD., 510, 580 Granville Street, Vancouver V6C 1W8.
METALS: Copper, molybdenum.
DESCRIPTION: Minor copper and traces of molybdenum were detected.
WORK DONE: 1978 – percussion drilling, 8 holes, totalling approximately 1 000 metres, covering Dawn 6 and 8.
REFERENCE: Assessment Report 7491.

OK (ALWIN) (Fig. E-1, NTS 92, No. 106)

LOCATION: Lat. 50° 29′ Long. 121° 06′ (92I/6E)
KAMLOOPS M.D. Nineteen kilometres west-northwest of Spences Bridge, on the north side of Inkikuh Creek, 4.8 kilometres west of Quiltanton Lake.
CLAIMS: OK (Lot 3644), APEX (Lot 3645), IOU (Lot 3643) plus OK 5 to 10, E22 13, 14, 21 to 24, PAL 1, PAL 1 to 3 Fractions, CALL 1 to 4, HUB 1 and 2.
OWNER: DeKALB MINING CORPORATION, Box 699, Ashcroft V0K 1A0.
METALS: Copper, gold, silver.
DESCRIPTION: Vein-type mineralization is thought to be the result of replacement along shear zones in Bethsaida granodiorite, a phase of the Guichon batholith.
WORK DONE: Underground diamond drilling, 1 580.5 metres, and decline and level development, 1 464.3 metres, on OK and IOU.
REFERENCES: Mineral Inventory 92I SW-10; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 155-157; Assessment Reports 380, 381, 1028.

TIL (Fig. E-1, NTS 92, No. 114)

LOCATION: Lat. 50° 16′ Long. 120° 48′ (92I/7W)
NICOLA M.D. Seventeen kilometres north of Merritt, 2 kilometres west of junction of Marquart and Steffens Creeks.
CLAIM: TIL (9 units).
OWNER: ASHCROFT RESOURCES LTD., 728, 510 West Hastings Street, Vancouver V6B 1L8.
DESCRIPTION: The property is underlain by Upper Triassic Nicola Group volcanic rocks. Faulting is predominantly north-south. No mineralization was encountered.

WORK DONE: 1978 – VLF-EM survey, 19.5 kilometres, covering T-I. 1979 – geochemical survey, soil samples analysed for lead, zinc, and copper, and ground magnetometer survey, covering T-I.
REFERENCE: Assessment Report 7176.

CAPER (Fig. E-1, NTS 92, No. 116)

LOCATION: Lat. 50° 19′ Long. 120° 53′ (92I/7W)
NICOLA M.D. Twenty-four kilometres north of Merritt, 3 kilometres from Guichon Creek, on Broom Creek.
CLAIM: CAPER (9 units).
OWNERS: H. H. Shear and D. F. Pasco.
OPERATOR: H. H. SHEAR, 1000, 789 West Pender Street, Vancouver V6C 1H2.
METAL: Copper.
DESCRIPTION: Malachite showings occur within quartz diorite of the Guichon batholith.
WORK DONE: Percussion drilling, 1 hole, totalling 76.2 metres, on Caper.
REFERENCES: Mineral Inventory 92I SE-21, 22; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 93; Assessment Report 7450.

VIMY (Fig. E-1, NTS 92, No. 118)

LOCATION: Lat. 50° 20′ Long. 120° 51′ (92I/7W)
NICOLA M.D. Fourteen kilometres southeast of Gnawed Mountain, 2.5 kilometres southeast of Gypsum Lake and 3 kilometres north of the confluence of Guichon and Broom Creeks.
CLAIMS: VIMY 100 (6 units), VIMY 200 (6 units).
OWNER: F. Klages.
OPERATOR: LAWRENCE MINING CORPORATION, 10, 558 Howe Street, Vancouver.
METAL: Copper.
DESCRIPTION: The area is underlain by the Dot quartz monzonite phase of the Guichon batholith. A zone of fracturing and alteration strikes northerly. Copper mineralization in the form of fracture fillings, veins, and disseminations occurs in this zone.
WORK DONE: Induced polarization survey, 5.8 kilometres, covering both claims.
REFERENCES: Mineral Inventory 92K SE-23; *Minister of Mines, B.C.*, Ann. Rept., 1959, p. 35; Assessment Report 7494.

CHATAWAY LAKE, DJ, MOON, RUM (Fig. E-1, NTS 92, No. 115)

LOCATION: Lat. 50° 22′ Long. 120° 56′ (92I/7W)
KAMLOOPS M.D. Sixteen kilometres southwest of Logan Lake, 6 kilometres southeast of Gnawed Mountain, covering Chataway Lake.
CLAIMS: NOVA 1 to 6, LEM 4, 5, QUASAR 1 to 4, MADELANE (204 units).
OWNER: Ronald B. Stokes.

OPERATOR: LAWRENCE MINING CORPORATION, 10, 558 Howe Street, Vancouver.

METAL: Copper.

DESCRIPTION: Low-grade porphyry-type mineralization occurs in the Chataway phase of the Guichon batholith.

WORK DONE: Trenching, 300 metres, on Nova 4; linecutting and induced polarization survey, 108 kilometres, covering Nova 1-4; rotary drilling, 4 holes, totalling 800 metres, on Nova 4, 5.

REFERENCES: Mineral Inventory 92I/SE-18, 60 to 62, 157, 158; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 160; Assessment Reports 611, 1790, 2579, 2628, 3591, 3709, 3786, 4050, 7560.

ALAMO (Fig. E-1, NTS 92, No. 117)

LOCATION: Lat. 50° 22.5' Long. 120° 59' (92I/7W)
KAMLOOPS M.D. Thirty-two kilometres north-northwest of Merritt, 5 kilometres south of Gnawed Mountain, at the head of the north branch of Skuhun Creek.

CLAIMS: ALAMO 1 and 2 (40 units).

OWNER: H. H. SHEAR, 1000, 789 West Pender Street, Vancouver V6C 1H2.

DESCRIPTION: The property is underlain by quartz diorite of the Guichon batholith.

WORK DONE: Percussion drilling, 1 hole, totalling 91.4 metres, on Alamo 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 144; Assessment Reports 6571, 7529.

BORNITE RIDGE, JERICHO (Fig. E-1, NTS 92, No. 113)

LOCATION: Lat. 50° 26' Long. 120° 55' (92I/7W)
KAMLOOPS M.D. Approximately 9 kilometres southeast of the Bethlehem mine, immediately north of Billy Lake.

CLAIMS: JERICHO 1 to 7 (70 units) and JERICHO 12, 13, 15, TC 1, MAE 7, MIKEY Fraction, STEVIE Fraction, DON Fraction, COLIN Fraction, GAZA 1, 2.

OWNERS: New Jericho Development Corporation Ltd., Gaza Mines Ltd., and Teck Corporation.

OPERATOR: HIGHMONT OPERATING CORP. LTD., 1199 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Copper and molybdenum occur with quartz veining in the Chataway quartz diorite phase of the Guichon batholith.

WORK DONE: Surface diamond drilling, 5 NQ holes, totalling 504 metres, on Jericho 1, 2, Gaza 1; rotary percussion drilling, 12 holes, totalling 162 metres, on Jericho 1-3, Gaza 1; and rotary drilling, 1 hole, totalling 134 metres, and churn drilling, 2 holes, totalling 237 metres, on Jericho 5.

REFERENCES: Mineral Inventory 92I/SE-11, 15, 89, 90, 91; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 161; Assessment Report 8479.

JAY, LYNN (Fig. E-1, NTS 92, No. 185)

LOCATION: Lat. 50° 26.5′ Long. 120° 58′ (92I 7W)
KAMLOOPS M.D. Adjoins the Bethlehem Copper mine property in Highland Valley and lies immediately north-northeast of Gnawed Mountain.

CLAIMS: ANN 2, 5, 6, 15, 16, 17 Fractions, CS 1 Fraction, CS 1 and 3, CU 1 to 6, CU 17 to 20, DEE 3 Fraction, DO 1 to 6, DO 1 to 8 Fractions, J 1 to 8, 11, 31, 32, 40 to 42, J 33 to 38 Fractions, JAY 9, 10, 12 to 20, JAY 101 and 104 Fractions, JJ 1 and 2 Fractions, LYNN 1, 3, 5, LYNN 7 and 10 Fractions, SHEBA 21 to 26, VI 1 Fraction.

OWNER: Sheba Copper Mines Ltd.

OPERATOR: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver.

METAL: Copper.

DESCRIPTION: The property is underlain by rock units belonging to the Bethsaida, Bethlehem, and Highland Valley phases of the Triassic Guichon batholith. The batholith is crosscut by dyke swarms and reactivated fault systems. Percussion drilling intersected low to moderate chlorite-sericite alteration, and uniformly low tenor of molybdenum and copper values.

WORK DONE: Percussion drilling, 3 holes, totalling 277.4 metres, on CU 17, DO 4 Fraction, and DO 8 Fraction.

REFERENCES: Mineral Inventory 92I SE-10, 76, 81; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 94; 1977, p. E 146; Assessment Reports 242, 5365, 6241, 7725.

JERSEY PIT AREA (Fig. E-1, NTS 92, No. 119)

LOCATION: Lat. 50° 30′ Long. 120° 59′ (92I 7W)
KAMLOOPS M.D. Bethlehem copper mine, Jersey pit area.

CLAIMS: SJ 4 (Lot 5532), SJ 16 (Lot 5507), SJ 17 (Lot 5519).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METAL: Copper.

WORK DONE: Surface diamond drilling, 27 holes, totalling 7 320 metres, on all claims.

REFERENCES: Mineral Inventory 92I SE-1, 2; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 147.

HIGHMONT (IDE – AM) (Fig. E-1, NTS 92, No. 112)

LOCATION: Lat. 50° 26′ Long. 121° 00′ (92I 7W, 6E)
KAMLOOPS M.D. Highland Valley, 3 kilometres north-northwest of Gnawed Mountain.

CLAIMS: AM 1 to 11, IDE 1, 3 to 8, 12 to 18, NEW IDE 19, 20, ANN 3, 4, 7, 18, 20 Fractions, NEW ANN 11 Fraction, PHYLLIS Fraction, AWSIUKIEWICZ Fraction.

OWNER: Teck Corporation.

OPERATOR: HIGHMONT OPERATING CORP. LTD., 1199 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Copper and molybdenum occur in the Skeena quartz diorite adjacent to the Gnawed Mountain porphyry composite dyke within the Guichon batholith.

WORK DONE: Surface diamond drilling, 26 NQ holes, totalling 2 376 metres, on AM 6, IDE 7 and 8.

REFERENCES: Mineral Inventory 92I/SE-13, 92I/SW-36; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 95, E 96; 1977, p. E 145; Assessment Reports 286, 5342, 5409, 5754, 6556, 7770.

SOPHIA (Fig. E-1, NTS 92, No. 110)

LOCATION: Lat. 50° 18′ Long. 120° 44′ (92I/7E)
NICOLA M.D. Twenty-two kilometres north of Merritt, 3 kilometres northwest of Swakum Mountain, covering and north of Sophia Lake.

CLAIM: SOPHIA (20 units).

OWNER: LAKEWOOD MINING CO. LTD., 2245 West 13th Avenue, Vancouver V6K 2S4.

METALS: Lead, zinc, copper.

DESCRIPTION: Shear zones with associated pyrite and/or lead-zinc and chalcopyrite mineralization occur in localized areas within Nicola volcanic rocks.

WORK DONE: Percussion drilling, 6 holes, totalling 548 metres, on Sophia.

REFERENCES: Mineral Inventory 92I/SE-197; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 163; Assessment Reports 7031, 7488.

DES (Fig. E-1, NTS 92, No. 111)

LOCATION: Lat. 50° 25′ Long. 120° 39′ (92I/7E)
KAMLOOPS and NICOLA M.D. Thirty-seven kilometres north-northeast of Merritt, 5 kilometres northeast of Mount Guichon, 1 kilometre west of Desmond Lake.

CLAIM: DES (8 units).

OWNER: C. BOITARD, 2245 West 13th Avenue, Vancouver V6K 2S4.

WORK DONE: VLF-EM survey and ground magnetometer survey, 4 kilometres, covering Des.

JHC (Fig. E-1, NTS 92, No. 109)

LOCATION: Lat. 50° 27′ Long. 120° 42′ (92I/7E)
KAMLOOPS M.D. Ten kilometres southeast of Logan Lake, bordering on and immediately southwest of Homfray Lake.

CLAIMS: R 3 to 8 (1 unit each).

OWNER: THUNDERBOLT RESOURCES LTD., 404, 850 West Hastings Street, Vancouver.

METAL: Copper.

DESCRIPTION: The claims are located within a band of Upper Triassic sedimentary and volcanic rocks of the Nicola Group near a dioritic plug with a pyritic halo.

WORK DONE: Ground magnetometer and VLF–EM surveys, 14 kilometres each, covering R 3-8.

REFERENCES: Mineral Inventory 92I/SE-147; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 183 (Bertha and Molly); Assessment Reports 266, 7268.

MARY REYNOLDS (Fig. E-1, NTS 92, No. 122)

LOCATION: Lat. 50° 20' Long. 120° 21' (92I/8W)
NICOLA M.D. Four kilometres east of the south end of Stump Lake.

CLAIMS: Mineral Leases M-19R comprising MARY REYNOLDS (Lot 674) and **GOLD CUP (Lot 675) and M-20K comprising ROBERT DUNSMUIR (Lot 673) plus PV 1 (2 units), PV 2 (16 units).**

OPERATOR: PINE VALLEY EXPLORERS LTD., Box 441, 1925 Second Avenue, Merritt V0K 2B0.

METALS: Gold, silver, lead, zinc, tungsten, (copper).

DESCRIPTION: Galena occurs in quartz veins associated with quartz carbonate zones in massive augite andesite of the Nicola series.

WORK DONE: Trenching (water storage sumps, 800 cubic metres), on Robert Dunsmuir.

REFERENCES: Mineral Inventory 92I/SE-115; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 164.

GERT (Fig. E-1, NTS 92, No. 123)

LOCATION: Lat. 50° 21' Long. 120° 25' (92I/8W)
NICOLA M.D. Sixteen kilometres south-southeast of the community of Lac Le Jeune, 2 kilometres west of the south end of Stump Lake.

CLAIMS: TIC 1 to 8, TAC 1 to 4, TOE 1, 2, 3 Fractions.

OWNER: SEYMOUR RESOURCES LTD., 433, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Copper, silver.

DESCRIPTION: The property is underlain by the Sylvester Group volcanic rocks, with a major granitic body lying to the west. A zone of intensely altered rock at least 152 metres by 488 metres coincides with a strong airborne magnetic high anomaly. The abundance of mariposite, strong dolomitization, silicification, and iron oxide colouring mark the zone. Copper and silver have been found in azurite-stained shears.

WORK DONE: Surface geological mapping, 1:5000, covering Tic 5, 7, Tac 1, 3; surface diamond drilling, 2 AQ holes, totalling 81 metres, on Tic 3 and 5;

VLF-EM survey, 8 kilometres; ground magnetometer survey, 8 kilometres; and geochemical survey, 281 soil samples, covering Tic 2, 3, 5, 7 and Tac 1, 3.

REFERENCES: Mineral Inventory 92I/SE-187; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 172.

FRED (Fig. E-1, NTS 92, No. 120)

LOCATION: Lat. 50° 27′ Long. 120° 26′ (92I/8W)
KAMLOOPS M.D. Centred 2.5 kilometres southeast of Lac Le Jeune.

CLAIMS: FRED 1 to 5 (68 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: Outcrops on the property consist of felsic intrusive rocks of the interior phase of Nicola batholith (Early Tertiary).

WORK DONE: Linecutting, 27.7 kilometres; surface geological mapping, 1:25 000; geochemical survey, 433 soil samples analysed for uranium and 27 rock chip samples analysed for uranium and thorium; and ground radiometric survey, 711 readings, and ground scintillometer survey, 23 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 165; Assessment Reports 7307, 7777.

BETSY (Fig. E-1, NTS 92, No. 121)

LOCATION: Lat. 50° 28′ Long. 120° 23′ (92I/8W)
KAMLOOPS M.D. Centred 5 kilometres east of Lac Le Jeune.

CLAIMS: BETSY 1 to 6 (120 units).

OWNER: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The area is underlain by Tertiary Miocene/Pliocene basalts and sedimentary rocks, Cretaceous Nicola Group quartz monzonite, and Triassic Nicola Group basalts and sedimentary rocks.

WORK DONE: Track etch survey, 63 cups; surface geological mapping, 1:20 000; and geochemical survey, 3 silt, 3 water, and 159 soil samples analysed for uranium, covering Betsy 1 and 2.

REFERENCE: Assessment Report 7366.

NICK (Fig. E-1, NTS 92, No. 125)

LOCATION: Lat. 50° 29′ Long. 120° 20′ (92I/8W, 9W)
KAMLOOPS M.D. Extending from 15 to 24 kilometres south of Kamloops, westward from Trapp Lake and covering Anderson, Richie, Brigade, Menanteau, and Nichol Lakes.

CLAIMS: NIC 1 to 13 (207 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The area is underlain by volcanic flows and breccias of the Kamloops Group of Eocene age. Three units are recognized: a flow top breccia, an altered olivine basalt, and a fresh olivine basement.

WORK DONE: Linecutting, 165 kilometres; surface geological mapping, 1:4800; geochemical survey, 2 440 soil samples analysed for uranium and 171 rock chip samples analysed for uranium and thorium; and ground radiometric survey, 165 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 166; Assessment Report 7778.

ZZ, WILL (Fig. E-1, NTS 92, No. 131)

LOCATION: Lat. 50° 41′ Long. 120° 30′ (92I/9W)
KAMLOOPS M.D. Eleven kilometres west of Kamloops, immediately north of the Afton Mines Ltd.'s property and the Trans-Canada Highway.

CLAIMS: ZZ 2 to 8, 15 to 20, 27 to 32, WILL 1 to 5, 7.

OWNER: Horseshoe Mines Ltd. and China Commercial Corporation Ltd.

OPERATOR: CHINA COMMERCIAL CORPORATION LTD., 1555 Franklin Street, Vancouver V5L 1P3.

WORK DONE: Surface diamond drilling, 1 BQ hole, totalling 75.3 metres, on ZZ 7.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 168; Assessment Reports 2323 A and B, 2866, 2905, 4158, 4215, 5467, 5855, 6706, 7274.

STAKE (Fig. E-1, NTS 92, No. 124)

LOCATION: Lat. 50° 30′ Long. 120° 28′ (92I/8W, 9W)
KAMLOOPS M.D. Three kilometres northeast of the community of Lac Le Jeune, immediately south of Stake Lake.

CLAIMS: STAKE 1 and 2 (30 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: Eocene porphyritic olivine basalts are extruded through and overlie a perthitic megacrystic biotite quartz diorite belonging to the Lower Tertiary phase of the Nicola batholith.

WORK DONE: Surface geological mapping, 1:4800; linecutting, 22.4 kilometres; geochemical survey, 472 soil samples analysed for uranium and 12 rock samples analysed for uranium and thorium; and ground radiometric survey, covering both claims.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 165.

RIVERSIDE (GOLDFIELDS) (Fig. E-1, NTS 92, No. 126)

LOCATION: Lat. 50° 41.5′ Long. 120° 06′ (92I/9E)
KAMLOOPS M.D. Fifteen kilometres east of Kamloops, 3 kilometres south of the summit of Mount Harper, on the east side of McGregor Creek.

CLAIM: MAC (6 units).

OPERATOR: WEST PROVIDENT RESOURCES LIMITED, 202, 900 West Pender Street, Vancouver V6C 1L1.

METALS: Gold, silver.

DESCRIPTION: Quartz veins follow shear zones in Cache Creek volcanic rocks. There is evidence of a stockwork structure.

WORK DONE: Percussion drilling, 9 holes, totalling 309.45 metres, on Mac.

REFERENCES: Mineral Inventory 92I/NE-46; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 166; Assessment Reports 6817, 7295.

DROP (Fig. E-1, NTS 92, No. 128)

LOCATION: Lat. 50° 31' Long. 120° 25' (92I/9W)
KAMLOOPS M.D. Approximately 18 kilometres south-southwest of Kamloops, 3 kilometres east of McConnell Lake, on the south flank of Hull Hill.

CLAIMS: DROP 1 (10 units), DROP 2 (20 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The area is underlain by volcanic flows of Middle Eocene age which overlie an intrusive unit of the Early Tertiary interior phase of the Nicola batholith. A diabase dyke cuts the volcanic rocks. No uranium mineralization was encountered.

WORK DONE: Linecutting, 26.9 kilometres; surface geological mapping; geochemical survey, 333 soil samples analysed for uranium and 13 rock samples analysed for uranium and thorium; and ground radiometric survey, covering both claims.

KINGPIN (ACE), DEWEY (Fig. E-1, NTS 92, No. 129)

LOCATION: Lat. 50° 35' Long. 120° 20' (92I/9W)
KAMLOOPS M.D. Nine kilometres south of Kamloops, 2 kilometres west of Separation Lake.

CLAIMS: BLACK BEAUTY (Lot 1560), ADMIRAL DEWEY (Lot 1561), CYCLONE (Lot 1562), plus REG 1 to 14, BYR 1 to 10, ACE 1, GUS 1 Fraction and WILDROSE (20 units), WILDROSE 4 (1 unit), WILDROSE 6 (1 unit), WILDROSE 10 (2 units).

OWNER: Great Plains Development Company of Canada Ltd.

OPERATOR: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

METAL: Copper.

DESCRIPTION: The area is underlain by Cherry Creek and Sugarloaf units of the Upper Triassic Iron Mask batholith. Chalcopyrite and pyrite occur in fractures of the epidotized, chloritized, and feldspathized intrusive rocks.

WORK DONE: Percussion drilling, 14 holes, totalling 88 metres, on Reg 12, Ace 1, Black Beauty, Reg 2, Reg 3.

REFERENCES: Mineral Inventory 92I/NE-19, 21, 118; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 167.

ARGUS (Fig. E-1, NTS 92, No. 130)

LOCATION: Lat. 50° 36' Long. 120° 25' (92I/9W)
KAMLOOPS M.D. Approximately 10 kilometres southwest of Kamloops, south of Jacko Lake and east of Peterson Lake.

CLAIM: ARGUS 100 (12 units).

OWNER: PAN AMERICAN ENERGY CORPORATION, 404, 850 West Hastings Street, Vancouver.

DESCRIPTION: The property is underlain by Upper Triassic Nicola series volcanic rocks with intercalations of argillite, and by schists in the southwest. The contact between the volcanic rocks and schists strikes northwest.

WORK DONE: Surface geological mapping, 1:4000, and VLF-EM, 19 kilometres, covering Argus 100.

REFERENCE: Assessment Report 7492.

RAINBOW (Fig. E-1, NTS 92, No. 127)

LOCATION: Lat. 50° 38' Long. 120° 27' (92I/9W)
KAMLOOPS M.D. Ten kilometres west-southwest of Kamloops on Sugarloaf Hill.

CLAIMS: RAINBOW NE (6 units), RAINBOW SE (8 units), RAINBOW SW (6 units), RAINBOW NW (6 units), Mineral Lease M-23 (Lot 883).

OWNER: SEADRIFT RESOURCES LTD., 301, 615 Third Avenue SW, Calgary, Alberta T2P 0G6.

METAL: Copper.

DESCRIPTION: Dominant rock types in the area are the diorites of the Pothook phase of the batholith to the east and the younger Sugarloaf intrusive rocks to the west. The Sugarloaf rocks are characteristically mafic, porphyritic hornblende diorites. They are bounded to the west and south by the Nicola greenstones. The contact between the Pothook and Sugarloaf phases is partly intrusive in nature and partly the northwest-striking Sugarloaf fault. The fault appears to be an important feature as the bulk of the known copper mineralization occurs near it or within tectonic breccias which may be related to it.

WORK DONE: Surface diamond drilling, 10 NQ holes, totalling 3 070 metres, on Rainbow SE.

REFERENCES: Mineral Inventory 92I/NE-28; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 155.

PYTHON, COPPERHEAD (Fig. E-1, NTS 92, No. 132)

LOCATION: Lat. 50° 39' Long. 120° 24' (92I/9W)
KAMLOOPS M.D. Six kilometres southwest of Kamloops.

CLAIMS: PYTHON (Lot 2565), PYTHON 2 (Lot 2562), COPPERHEAD (Lot 2564), NOONDAY (Lot 2563), and LOST CHORD (Lot 2561) plus PYTHON 3 to 7, 8 Fraction, 15, 16 Fraction, DOT 2, 3, 5, CUB 3 to 6, 9, 10, PYE 1 Fraction, 3, 4, 5 and 6 Fractions, 7, 8, JET 1 to 5, LINE 1 to 3, 4 Fraction, REGINA Fraction, JET 6, 7 Fraction, 8 to 13, 14 to 16 Fractions, 17, TOP 1, 2, 3 Fraction, COLT 1 to 5, PLANE 18 and 19 Fractions, HORSE 1 to 3 Fractions, NANCY Fraction, NICE 1, 2, HAT Fraction, BEAR Fraction, SHOCK Fraction.

OWNER: MAKAOO DEVELOPMENT CO. LTD., 857 West Third Street, North Vancouver.

METALS: Copper, gold, silver.

DESCRIPTION: Chalcopyrite and bornite, with molybdenum disulphide, occur as disseminations and in fracture fillings in shear zones near the contact between diorite of the Iron Mask batholith and intrusive picrite.

WORK DONE: Surface diamond drilling, 7 BQ holes, totalling 558.3 metres, on Copperhead.

REFERENCES: Mineral Inventory 92I/NE-2, 4, 5; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 99; Assessment Reports 604, 4317, 6275, 7507.

TC, SPUR, BRUCE (Fig. E-1, NTS 92, No. 133)

LOCATION: Lat. 50 35' Long. 120 39' (92I/10E)
KAMLOOPS M.D. Twenty-five kilometres southwest of Kamloops, centred on Roper Lake.

CLAIMS: HAPPY DAYS, HAPPY DAYS 3 to 13, 14 Fraction (approximately 141 units).

OWNERS: Keda Resources (1973) Ltd. and Cominco Ltd.

OPERATOR: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

METALS: Molybdenum, copper.

DESCRIPTION: The Roper Lake granite stock intrudes volcanic rocks of the Upper Triassic Nicola Group. Molybdenite and pyrite occur in quartz veins in both the granite and volcanic rocks.

WORK DONE: Percussion drilling, 31 holes, totalling 2 479.7 metres, on Happy Days, Happy Days 3 and 5.

REFERENCES: Mineral Inventory 92I/NE-71, 114; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 169; Assessment Reports 325, 1009, 2102, 6579, 7436, 7764.

RAG (Fig. E-1, NTS 93, No. 134)

LOCATION: Lat. 50 37' Long. 120 41' (92I/10E)
KAMLOOPS M.D. Twenty-four kilometres west-southwest of Kamloops, covering Durand Lake, Dairy Lakes, and extending across Durand Creek in the southwest.

CLAIMS: RAG 1 to 6, 10, 15 to 20, 23 to 40, 52, 57 to 65, 71 to 78, 81, 83, 85 to 87, 89, 95, 96, RAG B, C, E, and F Fractions.

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

METAL: Copper.

DESCRIPTION: Flows of Nicola volcanic rocks and pyroclastic rocks are intruded by a composite monzonite/diorite stock. Probably Late Triassic age chalcopyrite occurs widespread as disseminations in the monzonite and the Nicola volcanic rocks.

WORK DONE: Induced polarization survey, 15 kilometres, covering Rag 20, 29-36, 57-64, 71-76, 78, 87, 89, 95-97, Rag C, E, and F Fractions; trenching, 45 metres, on Rag 17.

REFERENCES: Mineral Inventory 92I/NE-45, 130, 147; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 89; Assessment Reports 1009, 2511, 3713, 4008, 5673, 7337.

KAM (Fig. E-1, NTS 92, No. 137)

LOCATION: Lat. 50° 36′ Long. 120° 34′ (92I/10E)
KAMLOOPS M.D. Nineteen kilometres southwest of Kamloops, 3 kilometres northeast of Chuwhels Lake, on Cherry Creek.

CLAIM: KAM (9 units).

OWNER: C. BOITARD, 2245 West 13th Avenue, Vancouver V6K 2S4.

WORK DONE: VLF–EM and ground magnetometer survey, 4.3 kilometres, covering Kam.

DOMINIC (Fig. E-1, NTS 92, No. 138)

LOCATION: Lat. 50° 35′ Long. 120° 43′ (92I/10E)
KAMLOOPS M.D. Thirty kilometres west-southwest of Kamloops, extending west and southwest of Dominic Lake.

CLAIMS: DOMINIC LAKE (8 units), DOMINIC NORTH (10 units), DOMINIC SOUTH (20 units), DOMINIC SOUTHEAST (12 units), CHERISE (12 units).

OWNER: C. BOITARD, 2245 West 13th Avenue, Vancouver V6K 2S4.

DESCRIPTION: The property is underlain by Nicola Group rocks, consisting of greenstone, andesite, basalt, agglomerate breccia, tuff, argillite, limestone, and conglomerate.

WORK DONE: Access road construction, 11 kilometres; geochemical survey, 150 soil samples analysed for copper and molybdenum covering Cherise.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 169; Assessment Report 7155.

LED, NED (Fig. E-1, NTS 92, No. 184)

LOCATION: Lat. 50° 37.5′ Long. 120° 38′ (92I/10E)
KAMLOOPS M.D. Twenty-two kilometres west-southwest of Kamloops, covering the summit and north of Greenstone Mountain.

CLAIMS: GIL (20 units), GIL 2 (10 units).

OWNER: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Copper, molybdenum.

DESCRIPTION	The property is underlain by Nicola volcanic flow rocks, intruded by several small granite plugs. Minor copper and molybdenum mineralization in quartz veins occurs in several places.
WORK DONE	Geochemical survey, 252 soil samples analysed for copper and molybdenum, covering both claims.
REFERENCES	Mineral Inventory 92I/NE-122, 150; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 169; Assessment Reports 2147, 4155, 4881, 7073, 7842.

DAVE (Fig. E-1, NTS 92, No. 136)

LOCATION	Lat. 50° 38′ Long. 120° 33′ (92I/10E) KAMLOOPS M.D. Sixteen kilometres west-southwest of Kamloops, on Cherry Creek, south of Ned Roberts Lake.
CLAIMS	DAVE (20 units), A (4 units).
OWNER	DORADO RESOURCES LTD., 800, 543 Granville Street, Vancouver V6C 1X8.
DESCRIPTION	The property is underlain by volcanic rocks of the Tertiary age, Kamloops Group, and Triassic age Nicola Group containing some diorite monzonite phases which are probably related to the late interaction phases of the Sugerloaf and Cherry Creek intrusions of the Iron Mask batholith.
WORK DONE	Ground electromagnetic and scintillometer surveys, covering Dave and A; surface diamond drilling, 2 NQ holes, totalling 208 metres, on Dave.
REFERENCES	*B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 101 (Jim); Assessment Reports 3658, 3659, 5961, 7180, 7850.

KRAIN COPPER (KEYSTONE) (Fig. E-1, NTS 92, No. 139)

LOCATION	Lat. 50° 34′ Long. 121° 00′ (92I/10W, 11E) KAMLOOPS M.D. Twelve kilometres west-southwest of the south end of Tunkwa Lake, on the north slope of Rose Hill on the northwest side of Forge Creek.
CLAIMS	GETTY 1 to 24, GETTY A Fraction.
OWNER	Robak Industries Ltd.
OPERATOR	NEW MINEX RESOURCES LTD., 2390, 1055 West Hastings Street, Vancouver V6E 2E9.
METAL	Copper.
DESCRIPTION	Copper mineralization associated with chlorite occurs within a sequence of granitic rocks comprising quartz monzonite, granodiorite, and quartz feldspar porphyry.
WORK DONE	Surface diamond drilling, 1 hole, totalling 302.67 metres, on Getty 19.
REFERENCES	Mineral Inventory 92I/NE-38; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 102; Assessment Reports 172, 207, 213, 1917, 5541, 5912, 7502.

CHIEF (Fig. E-1, NTS 92, No. 141)

LOCATION: Lat. 50° 45′ Long. 121° 01′ (92I 11E, 14E)
KAMLOOPS M.D. Eighteen kilometres east of Ashcroft, 3 kilometres southwest of Walhachin and 2 kilometres south of the Thompson River.

CLAIM: WAL (15 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METAL: Copper.

DESCRIPTION: The region south of the Thompson River is mainly underlain by basaltic flow rocks of Tertiary age to the south and southwest and by Jurassic conglomerate and associated sedimentary rocks of the Ashcroft Group to the east. In the central and northern portions of the area, Upper Triassic Nicola Group rocks have been intruded by intermediate intrusive rocks thought to belong to the border phase of the Guichon batholith. Exposures of the Nicola Group are dominated by hydrothermally altered andesite flow and fragmental volcanic rocks containing moderate to high concentrations of fine-grained disseminated magnetite and variable amounts of pyrite. Between Brassy and Rattlesnake Creeks a large body of hornblende diorite intrudes the Nicola Group and a smaller body of quartz porphyry intrudes both the Nicola and the diorite, exposed along Rattlesnake Creek. A prominent gossan has formed due to weathering of the quartz porphyry and the hornblende diorite.

WORK DONE: 1978 – geochemical survey, 60 soil and 110 rock samples analysed for copper, molybdenum, lead, and zinc; electromagnetic survey, 5.5 kilometres, and surface geological mapping, 1:10 000, covering Wal.
1979 – percussion drilling, 6 holes, totalling 597 metres, on Wal.

REFERENCES: Mineral Inventory 92I/NW-55, *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 104; Assessment Reports 5730, 6107, 7531, 7736.

CHALCO, TERRY – PUKAIST ZONE (Fig. E-1, NTS 92, No. 140)

LOCATION: Lat. 50° 32′ Long. 121° 15′ (92I/11)
KAMLOOPS M.D. Twenty-two kilometres south of Ashcroft in the Highland Valley, between the Thompson River and Pukaist Creek, south of Coldstream Creek.

CLAIM: PUKA (20 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Copper, iron.

DESCRIPTION: The claim is underlain by contact metamorphosed sedimentary rocks, quartzite, grits, and calcareous metasedimentary rocks of the Upper Triassic Nicola Group.

WORK DONE: Surface geological mapping, 1:10 000; induced polarization survey, 71 kilometres; geochemical survey, soil and rock samples analysed for copper, lead, zinc, and molybdenum, and percussion drilling, 2 holes, totalling 143.5 metres, on Puka.

REFERENCES: Mineral Inventory 92I/NW-10, 49; *Minister of Mines, B.C.*, Ann. Rept., 1962, pp. 28-46 (Spatsum); *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 333; 1971, p. 298; Assessment Reports 2110, 2111, 2257, 2980.

TOW (Fig. E-1, NTS 92, No. 143)

LOCATION: Lat. 50° 33′ Long. 121° 53′ (92I/12W)
LILLOOET M.D. Fifteen kilometres south of Lillooet, covering the headwaters of Towinock and Spray Creeks.

CLAIMS: TOW 1 to 4 (52 units).

OWNER: Duval Mining Limited.

OPERATOR: DUVAL INTERNATIONAL CORPORATION, 844 West Hastings Street, Vancouver V6C 1C8.

DESCRIPTION: A series of four small quartz diorite stocks intrude a well-faulted sequence of metasedimentary and metavolcanic rocks. Late-stage dacite dykes cut the quartz diorite and the country rock. Mineralization consisting primarily of rare molybdenite in quartz veins and on fractures is found in the quartz diorite, particularly the northern stock, and adjacent bleached sedimentary rocks.

WORK DONE: 1978 – surface geological mapping, 1:10 000; geochemical survey, 91 rock, 10 soil, and 19 silt samples analysed for molybdenum, tungsten, copper, lead, and zinc, covering all claims.

REFERENCES: Assessment Reports 7211, 7569.

CHES (Fig. E-1, NTS 92, No. 144)

LOCATION: Lat. 50° 59′ Long. 120° 52′ (92I/15W)
KAMLOOPS M.D. Twenty-four kilometres north of Savona, at the confluence of Criss and McGee Creeks.

CLAIMS: ELM 1 to 8.

OWNER: J. D. Murphy.

OPERATOR: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METALS: Molybdenum, lead, silver.

DESCRIPTION: A small plug of Tertiary Copper Creek intrusive granitic rock cuts pebble and gravel conglomerate tentatively dated as Cretaceous. A strong shear well exposed in McGee Creek contains heavy pyrite mineralization and numerous quartz veins and stringers with strong but spotty molybdenite mineralization. Elsewhere, a quartz vein 0.5 metre wide carries coarse argentiferous galena.

WORK DONE: Linecutting; geological mapping; geochemical survey, 13 rock and soil samples analysed for molybdenum, gold, silver, and lead.

REFERENCES: Mineral Inventory 92I/NE-35; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 104; Assessment Report 7243.

ARGO (Fig. E-1, NTS 92, No. 145)

LOCATION	Lat. 50 54′ Long. 120 01′ (92I 16E) KAMLOOPS M.D. Thirty-three kilometres northeast of Kamloops, on the west side of Louis Creek, east of Devick Lake.
CLAIM	HEATHER 12 (12 units).
OWNER	G. Irving.
OPERATOR	MABEE MINERALS INCORPORATED, 1903, 505 Sixth Street SW, Calgary, Alberta.
METAL	Copper.
DESCRIPTION	Metamorphosed volcanic and sedimentary rocks of the Paleozoic Cache Creek Group contain pyrite and chalcopyrite mineralization within quartz veins.
WORK DONE	Surface geological mapping, 1:4000; 46 soil and 8 rock samples analysed for copper and zinc, covering Heather 12.
REFERENCES	Mineral Inventory 92I/NE-110; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 304; Assessment Reports 3299, 7518.

PEMBERTON 92J

SOO (Fig. E-1, NTS 92, No. 194)

LOCATION	Lat. 50 14′ Long. 122 58′ (92J 2W) VANCOUVER M.D. Ten kilometres north of Alta Lake, at the head of Sixteen Mile Creek.
CLAIMS	SOO 1 (6 units), SOO 2 (9 units).
OWNER	J. McGoran.
OPERATOR	RAINBOW SYNDICATE, 615, 744 West Hastings Street, Vancouver.
METAL	Copper.
DESCRIPTION	Sparse chalcopyrite occurs in a roof pendant of metavolcanic rocks (Early Cretaceous) within the Coast Plutonic Complex.
WORK DONE	Ground electromagnetic survey, 2 kilometres, covering Soo 1.
REFERENCES	Mineral Inventory 92J SE 25; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 165; Assessment Reports 6581, 7711.

DAISY (VENETIAN) (Fig. E-1, NTS 92, No. 210)

LOCATION	Lat. 50 00.5′ Long. 123 05.5′ (92J 3E, 92G 14E) VANCOUVER M.D. Eighty kilometres north of Vancouver, just east of Daisy Lake.
CLAIMS	DAISY 1 to 6 (6 units), J 1 to 10 (10 units), RON 1 to 12 (12 units), JAN (9 units), S 1 to 26 (26 units), FF 1 to 14 (14 units).
OWNER	ACACIA MINERAL DEVELOPMENT CORPORATION LTD., 429, 470 Granville Street, Vancouver V6C 1V5.
DESCRIPTION	Drilling intersected foliated granodiorite, schistose andesitic and metasedimentary rocks, few mafic dykes, quartz veins, and carbonate stringers.

WORK DONE: Surface diamond drilling, 5 holes, totalling 327.6 metres, on FF 4 and Ron 12.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 120, E 121; 1978, p. E 139; Assessment Reports 6114, 6514, 7093, 7793.

ZONE 4 (DICK) (Fig. E-1, NTS 92, No. 218)

LOCATION: Lat. 50° 04′ Long. 123° 07′ (92J/3E)
VANCOUVER M.D. One kilometre northwest of McGuire.

CLAIM: DICK (3 units).

OWNER: SILVER TUSK MINES LTD., 501, 409 Granville Street, Vancouver V6C 1T2.

METALS: Silver, copper, zinc.

WORK DONE: Stripping, 2 092.5 square metres.

REFERENCES: Mineral Inventory 92J/W-24; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 174; Geological Fieldwork, 1977, pp. 96-102; Assessment Report 7032.

BLUE JACK, ASTRA–CAMBRIA (CALLAGHAN) (Fig. E-1, NTS 92, No. 220)

LOCATION: Lat. 50° 04′ Long. 123° 08′ (92J/3E)
VANCOUVER M.D. The claims extend from the north end of Daisy Lake, northward to Edna Creek, a distance of 9 kilometres.

CLAIMS: VAN 15-18, 32-43, 63-79, 81-83, SUN 7, 8, DICK (3 units), SUNNY CAVE 12, 16-19, SNOW 1-15, 22-24, LUX 4, THYNE, TEDI, ASH, BRU, PETER 1, JO, LU, MINE, ELM, SPINE, MIL 1 to 11.

OWNER: SILVER TUSK MINES LTD., 501, 409 Granville Street, Vancouver V6C 1T2.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: The claims are underlain by metamorphosed volcanic rocks and minor limestone beds which have been intruded by various bodies of granitic rocks. Aphanitic felsite dykes, some of which carry economic minerals intrude the preceding rocks. Mineralization, in the form of gold, silver, galena, sphalerite, pyrite, and chalcopyrite, occurs in many locations within the property boundaries in the pendant rocks in or near the disrupted or schistose areas.

WORK DONE: 1978 – surface diamond drilling, 64.5 metres, on Sunny Cave 18 and 150.3 metres on Peter 1; 1979 – stripping 2 092 square metres, on Dick and 372 square metres, and trenching, 6.1 metres total length (1 trench), on Peter 2, and 6.1 metres in length on Tedi.

REFERENCES: Mineral Inventory 92J/W-1, 3, 20 to 22; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 121, 122; Geological Fieldwork, 1977, pp. 96-102; Assessment Reports 4937, 4939, 4950, 5403, 5405, 5406, 5593, 5839, 7389, 7390.

TEDI, KAY (Fig. E-1, NTS 92, No. 219)

LOCATION: Lat. 50° 06' Long. 123° 08' (92J/3E)
VANCOUVER M.D. Four kilometres northwest of McGuire, on Edna Creek.

CLAIMS: SNOW 1 to 15, 22 to 24, VAN 63 to 79, PETER 1, TEDI.

OWNER: SILVER TUSK MINES LTD., 501, 409 Granville Street, Vancouver V6C 1T2.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: The claims are underlain by metamorphosed volcanic rocks and minor limestone beds which have been intruded by various bodies of granitic rocks. Aphanitic felsite dykes, some of which carry economic minerals, intrude the preceding rocks. Mineralization, in the form of gold, silver, galena, sphalerite, pyrite, and chalcopyrite, occurs in many locations within the property boundaries in the pendant rocks in or near the disrupted or schistose areas.

WORK DONE: Trenching, 6.1 metres total length, on Tedi; and diamond drilling, 1 hole, totalling 150.3 metres, on Peter 1.

REFERENCES: Mineral Inventory 92J/W-1, 20; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 199; Geological Fieldwork, 1977, pp. 96-102; Assessment Reports 4602, 4937, 5069, 5593, 7390.

SOUTHAIR (IT, HIT) (Fig. E-1, NTS 92, No. 148)

LOCATION: Lat. 50° 09' Long. 123° 08.5' (92J/3E)
VANCOUVER M.D. Sixteen kilometres west of Alta Lake, on the northeast side of Callaghan Creek.

CLAIMS: SOUTHAIR (16 units), SOUTHAIR SOUTH (8 units).

OWNER: CLIMEX MINING OF B.C. LTD., Box 1531, Sechelt V0N 3A0.

DESCRIPTION: Manganese, chalcopyrite, and pyrite were identified in chlorite schist.

WORK DONE: Road construction, 2.4 kilometres by 6 metres; trenching; and 19 soil samples analysed for copper, molybdenum, lead, zinc, silver, tungsten, and manganese and 4 rock samples analysed for copper, molybdenum, lead, zinc, silver, gold, tungsten, and manganese, covering Southair.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 166 (It); Assessment Reports 5096, 5280, 6359, 7752.

SANTA (Fig. E-1, NTS 92, No. 147)

LOCATION: Lat. 50° 10' Long. 123° 08' (92J/3E)
VANCOUVER M.D. Sixteen kilometres due north of Brandywine Falls, centred 3.5 kilometres southeast of Callaghan Lake.

CLAIMS: SANTA (20 units), SANTA NORTH (6 units), SANTA SOUTHEAST (2 units), SANTA EAST (3 units), SANTA SOUTH (4 units).

OWNER: LAKEWOOD MINING CO. LTD., 2245 West 13th Avenue, Vancouver V6K 2S4.

DESCRIPTION: The property is sheared and faulted with abundant transitional zones of hydrothermal alteration within metadiorites. Pyritization occurs throughout the property with associated lead, zinc, silver, copper, and gold.

WORK DONE: Road construction, 1 kilometre; percussion drilling, 4 holes, totalling 280 metres; surface diamond drilling, 2 holes, totalling 426 metres; and geochemical survey, 220 soil samples analysed for molybdenum, copper, and zinc, covering Santa.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 175; Assessment Reports 7210, 7737.

WM (ED) (Fig. E-1, NTS 92, No. 150)

LOCATION: Lat. 50° 31′ Long. 122° 24′ (92J/9W)
LILLOOET M.D. Seven kilometres southeast of D'Arcy, on the north side of Haylmore Creek.

CLAIMS: WM, WARGOLD (6 units each).

OWNER: M. P. WARSHAWSKI, 6326 Montgomery Street, Vancouver V6M 2X8.

METALS: Copper, silver.

DESCRIPTION: Copper and silver minerals occur with pyrite in granitic rocks on WM.

WORK DONE: Prospecting and geochemical survey, 50 soil and silt samples analysed for gold, silver, molybdenum, copper, lead, zinc, arsenic, and tungsten, covering Wargold.

REFERENCES: Mineral Inventory 92J/NE-38; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 176; Assessment Reports 2864, 6716.

RRPASS (Fig. E-1, NTS 92, No. 151)

LOCATION: Lat. 50° 35′ Long. 123° 01′ (92J/11E)
LILLOOET M.D. On the north side of the Lillooet River, 7 kilometres up Railroad Creek.

CLAIMS: RRPASS 1 to 10.

OWNERS: F. B. Whiting and C. A. Whiting.

OPERATOR: F. B. WHITING, 1035 Greenwood Place, West Vancouver V7S 1Y2.

DESCRIPTION: Triassic volcanic and sedimentary rocks are intruded by a small porphyry plug showing typical alteration, fracturing, and pyritic mineralization.

WORK DONE: Prospecting, 30 soil samples analysed for copper, molybdenum, silver, lead, and zinc, covering all claims.

SALAL (Fig. E-1, NTS 92, No. 152)

LOCATION: Lat. 50° 47′ Long. 123° 24′ (92J/14W)
LILLOOET M.D. Sixty-five kilometres northwest of Pemberton, on the north side of the east fork (Lost Fork) of Salal Creek, in Athelney Pass.

CLAIMS: SALAL 1 to 4, 6 to 13 (189 units).

OWNERS: Utah Mines Ltd. and BP Minerals Limited.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V8E 3S7.

METAL: Molybdenum.

DESCRIPTION: Molybdenum mineralization is found within all phases of the Salal Creek pluton in veins or as disseminations.

WORK DONE: Surface diamond drilling, 1 hole, totalling 941.5 metres, on Salal 9.

REFERENCES: Mineral Inventory 92J/W-5 to 8, 13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 176; Assessment Reports 6759, 6999, 7557.

SHORT O'BACON – NATIVE SON (Fig. E-1, NTS 92, No. 155)

LOCATION: Lat. 50° 46′ Long. 122° 50′ (92J/15W)
LILLOOET M.D. Two kilometres west of Bralorne, between Mason and Carl Creeks, east of Hurley River.

CLAIMS: BRJ 16 FR., 2, 4, 3, 6, 5, 8, 7, 10, 9 (Lots 7860 to 7869 respectively) plus RE (4 units).

OWNER: J. N. WELD, 5789 Cypress Street, Vancouver V6M 3R8.

METALS: Gold, silver.

DESCRIPTION: The north and west parts of the property are underlain by a complex of Triassic/Jurassic Pioneer greenstone and Bralorne intrusive rocks. The east and southeast parts are underlain by Fergusson series chert and argillite and a narrow belt of Noel sedimentary rocks. Mineralization occurs in fissure vein structures.

WORK DONE: Surface geological mapping, 1:3600, covering all claims, and 1:1200, covering BRJ 6; 14 silt, 1 soil, and 6 rock samples, covering BRJ claims and northwest portion of RE.

REFERENCES: Mineral Inventory 92J/NE-16; *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 274; Assessment Report 7487.

ELEPHANT (Fig. E-1, NTS 92, No. 158)

LOCATION: Lat. 50° 49.5′ Long. 122° 49.5′ (92J/15W)
LILLOOET M.D. Three kilometres south of Gold Bridge, between the Bralorne Road and Hurley River.

CLAIM: ELEPHANT (Lot 444).

OWNER: G. A. ROSE, Box 721, Lillooet V0K 1V0.

METALS: Gold, silver, arsenic.

WORK DONE: Stripping, 1 600 square metres, on Elephant.

REFERENCES: Mineral Inventory 92J/NE-21; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 177.

BRX (CALIFORNIA, ARIZONA) (Fig. E-1, NTS 92, No. 157)

LOCATION: Lat. 50° 50′ Long. 122° 50′ (92J/15W)
LILLOOET M.D. From Gold Bridge southward to the Bralorne property, a distance of 5.3 kilometres.

CLAIMS: Fifty-six claims including CALIFORNIA (Lot 3173) and ARIZONA (Lot 3176).
OPERATOR: HAT CREEK ENERGY CORPORATION, Box 466, Lillooet V0K 1V0.
METALS: Gold, tungsten, silver, copper, zinc, molybdenum.
WORK DONE: Underground diamond drilling, approximately 225 metres, on Arizona.
REFERENCES: Mineral Inventory 92J/NE-20 to 26; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 178.

GWENDOLYN'S GLORY (Fig. E-1, NTS 92, No. 159)

LOCATION: Lat. 50° 51' Long. 122° 55' (92J/15W)
LILLOOET M.D. Six kilometres west of Gold Bridge, on the wide side of the south end of Gun Lake.
CLAIM: GWENDOLYN'S GLORY (12 units).
OWNER: Climex Mining of B.C. Ltd.
OPERATOR: J. P. LaRUE, Box 1531, Sechelt V0N 3A0.
WORK DONE: Geological mapping; geochemical survey, samples analysed for gold, copper, and other metals; VLF–EM survey and ground magnetometer survey, 4 kilometres; trenching, 1 500 cubic metres; and surface diamond drilling, 1 AX hole, totalling 41 metres, on original two units of Gwendolyn's Glory.

WAYSIDE (Fig. E-1, NTS 92, No. 156)

LOCATION: Lat. 50° 53' Long. 122° 49.5' (92J/15W)
LILLOOET M.D. Three kilometres north-northeast of Gold Bridge, on the northwest shore of Carpenter Lake.
CLAIMS: Mineral Lease M-57 (WAYSIDE, Lot 3036) plus Lots 3037 to 3040, 5471, 5503 to 5507, 5509 to 5511, 5513, 5515, 5912 to 5918, 6955, 6956.
OPERATOR: CARPENTER LAKE RESOURCES LTD., Box 466, Lillooet V0K 1V0.
METAL: Gold.
DESCRIPTION: Faults in Bralorne diorites are filled by quartz-albite-carbonate veins carrying gold, pyrite, arsenopyrite, chalcopyrite, mariposite, and telluride.
WORK DONE: Linecutting, 30 kilometres; surface diamond drilling, 9 holes, totalling approximately 1 250 metres, on Commodore and Wayside; geochemical survey, 350 soil samples analysed for gold, copper, and zinc, covering all claims.
REFERENCES. Mineral Inventory 92J/NE-30; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 179.

LITTLE GEM (Fig. E-1, NTS 92, No. 212)

LOCATION: Lat. 50° 54.5' Long. 122° 56.5' (92J/15W)
LILLOOET M.D. Sixteen kilometres northwest of Bralorne, covering Roxey and Jewel Creeks.
CLAIMS: LITTLE GEM 2 (Lot 7566), LITTLE GEM 4 (Lot 7567), LITTLE GEM 6 (Lot 7568), LITTLE GEM 11 (Lot 7729), LITTLE GEM 15

(Lot 7727), LITTLE GEM 16 (Lot 7728), LITTLE GEM 17 (Lot 7730), LITTLE GEM (Lot 7731), AURA 1 to 20 (20 units), AURA 2 (6 units), MINT 1 (6 units), MINT 2 (8 units).

OWNERS: Major Resources Ltd. and Northern Gem Mining Corporation Ltd.

OPERATOR: MAJOR RESOURCES LTD., 708, 850 West Hastings Street, Vancouver V6C 1E1.

METALS: Cobalt, gold, silver, copper, uranium.

DESCRIPTION: Irregular lenses of massive and disseminated auriferous arsenical sulphides with cobalt and uraninite occur in a zone of sheared, bleached granodiorite of the Coast Range batholith.

WORK DONE: Airborne magnetometer, electromagnetic, and radiometric surveys, approximately 140 kilometres, covering Mint and Aura.

REFERENCES: Mineral Inventory 92J/NE-68, 108; *Minister of Mines, B.C.*, Ann. Rept., 1958, p. 15; Assessment Report 7704.

OLYMPIC (Fig. E-1, NTS 92, No. 153)

LOCATION: Lat. 50° 53' Long. 122° 43' (92J/15E)
LILLOOET M.D. On the south shore of Carpenter Lake, 2 kilometres east of Girl Creek.

CLAIMS: Thirteen Crown-granted claims (Lots 6269 to 6279, 6281, 6283), including HILLSIDE (Lot 6278).

OWNER: D. B. INGRAM, Box 1219, Lillooet V0K 1V0.

METALS: Copper, zinc, antimony, silver, gold.

DESCRIPTION: Quartz stringers carrying stibnite mineralization occur in a sheared zone of silica-carbonate rock at a contact of diorite and serpentine.

WORK DONE: Blasting and trenching, a total of 250 cubic metres, on Hillside 5 (Lot 6278).

REFERENCES: Mineral Inventory 92J/NE-92; *Minister of Mines, B.C.*, Ann. Rept., 1945, p. 88.

BUTE INLET 92K

COPPER BELL, COPPER HILL (Fig. E-1, NTS 92, No. 160)

LOCATION: Lat. 50° 07' Long. 125° 16' (92K/3W)
NANAIMO M.D. Nine kilometres north of Campbell River, on the west side of Quadra Island, 4 kilometres due east of Race Point.

CLAIMS: COPPER BELL 1 and 2, COPPER HILL 1 and 2, EPSILON Fraction, EVELYN 1 to 3, KAPPA Fraction, BEAVER DAM 1 and 2, BIT 1 and 2, CLIFF 1 and 2, COPPER CLIFF, COLLEEN 2.

OPERATOR: QUADRA BELL MINING CO. LTD., 1161 South Alder Street, Campbell River V9W 1Z8.

METALS: Copper, (silver).

DESCRIPTION: Quartz veins in volcanic rocks carry associated chalcocite.

WORK DONE: Stripping, approximately 400 cubic metres, on Evelyn 2.

REFERENCES: Mineral Inventory 92K-12, 52, 58, 71 to 74, 103, 118, 119; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 180.

RED (Fig. E-1, NTS 92, No. 161)

LOCATION: Lat. 50° 16′ Long. 124° 55′ (92K/7W)
VANCOUVER M.D. On West Redonda Island, between Redonda Bay and Baile Lake and covering Mount Perritt.

CLAIMS: REDONDA (20 units), REDONDITA (6 units), JOE (20 units), BAY (18 units), TOM (18 units), RAZA (4 units), POND 1 (4 units), POND 2 (1 unit), SITE (1 unit).

OWNER: TECK CORPORATION, 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Copper, molybdenum.

DESCRIPTION: Several phases of quartz diorite and a quartz porphyry plug intrude Coast Range batholith diorites. Chalcopyrite and molybdenite with abundant pyrite occur as disseminations and in fracture fillings in the quartz and brecciated zones adjacent to the quartz porphyry.

WORK DONE: Surface diamond drilling, 9 NQ holes, totalling 1 681 metres, on Redonda; ground magnetometer survey, 29 kilometres, covering Redonda and Redondita.

REFERENCES: Mineral Inventory 92K-92; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 172; Assessment Reports 638, 4167, 6330, 7346.

GINGER (Fig. E-1, NTS 92, No. 162)

LOCATION: Lat. 50° 31′ Long. 125° 20′ (92K/11W)
VANCOUVER M.D. On the east shore of Phillips Arm, immediately south of Dyer Point.

CLAIM: GINGER (18 units).

OWNER: N. SCAFE, Box 847, Dawson Creek.

METAL: Molybdenum.

DESCRIPTION: Mineralization seems to be confined to a contact metamorphic skarn zone located between a sheared quartz monzonite and limestone.

WORK DONE: Linecutting, 4 750 metres; geochemical survey, 190 soil samples analysed for molybdenum; 3 trenches, totalling 10 metres; and surface geological mapping, 1:1000, covering all units.

ALERT BAY 92L

RIMY, EXTENSION 5, 7, 9 (Fig. E-1, NTS 92, No. 163)

LOCATION: Lat. 50° 1.5′ Long. 126° 47′ (92L/2W)
ALBERNI M.D. Six kilometres northeast of Zeballos, between Goldvalley and Monckton Creeks.

CLAIMS: EXTENSION 5 (Lot 1048), EXTENSION 7 (Lot 1714), EXTENSION 9 (Lot 1713), RIMY 1 (Lot 1902), RIMY 6 (Lot 1901), RIMY 7 (Lot 1768), RIMY 5 (Lot 1767), RIMY 8 (Lot 1766), H&J 7 (Lot 1997), H&J 8 (Lot 1998), ZA Fraction, ZB Fraction, ZC Fraction.

OWNER: W. Guppy.

OPERATOR: GOLDEN HINDE MINES LTD., Box 94, Tofino V0R 2Z0.

METALS: Gold, silver.

WORK DONE: Linecutting, 500 metres, covering Extension 5, 7, and 9.

REFERENCES: Mineral Inventory 92L-16; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 180; Assessment Report 7012.

BLACKBIRD – BLUEBIRD (Fig. E-1, NTS 92, No. 213)

LOCATION: Lat. 50° 02' Long. 126° 49' (92L/2W)
ALBERNI M.D. On the west bank of Zeballos River, 5 kilometres north of Zeballos.

CLAIMS: R&R 1 to 16 (16 units).

OWNER: R. H. LONSDALE, 1608 West 57th Avenue, Vancouver.

METALS: Copper, iron.

DESCRIPTION: Copper-bearing veins are associated with volcanic rocks of the Bonanza Formation, and magnetite occurs as skarn in granitic rocks of the Coast Range intrusion.

WORK DONE: Reconnaissance geological mapping, surface, 1:24 000, covering all claims.

REFERENCES: Mineral Inventory 92L-130; Assessment Report 7761.

ECLIPSE (Fig. E-1, NTS 92, No. 164)

LOCATION: Lat. 50° 00' Long. 127° 05' (92L/3E)
ALBERNI M.D. On the west coast of Vancouver Island about 2 kilometres due south of the head of Amai Inlet, Kyuquot Sound.

CLAIMS: DL 1 to 12.

OWNER: A. B. THOMSON, 4611 Albert Street, Burnaby V5C 2G7.

METAL: Gold.

DESCRIPTION: The claims are underlain mainly by granitic rocks (granodiorites and quartz diorites) of Jurassic age. A contact with volcanic rocks occurs on the northeast margin of DL 8 and DL 10. Gold occurs in chlorite slicks, in crystallized quartz lying between the chlorite and the granitic rocks, and in the altered surrounding rocks. On DL 8, three gold-bearing zones in close proximity to one another all strike northerly.

WORK DONE: Prospecting, covering DL 5-12; stripping, covering DL 2; trail cutting, from DL 2 to DL 8; clearing cuts, on DL 4.

REFERENCES: Mineral Inventory 92L-101; ***Minister of Mines, B.C.***, Ann. Rept., 1947, p. 180; ***Geol. Surv., Canada***, Paper 74-8, p. 61.

SMITH COPPER, ZIP (Fig. E-1, NTS 92, No. 165)

LOCATION:	Lat. 50° 22′ Long. 126° 55′ (92L/7W) NANAIMO M.D. On Vancouver Island, 25 kilometres south of Alert Bay at the southern end of Nimpkish Lake, on Storey Creek.
CLAIM:	RICKY (6 units).
OWNER:	WINDARRA MINERALS LTD., 107, 325 Howe Street, Vancouver V6C 1Z7.
METALS:	Lead, zinc, copper.
DESCRIPTION:	The claim is underlain by Upper Triassic/Jurassic volcanic and sedimentary units of the Vancouver Group, intruded by Upper Jurassic/Lower Cretaceous granodiorite in the east. Lead, zinc, and copper sulphide mineralization occurs in, and in relation to, skarn zones.
WORK DONE:	Surface geological mapping, 1:500, covering Ricky.
REFERENCES:	Mineral Inventory 92L-37, 208; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 259; Assessment Reports 765, 927, 7227.

LAKE (Fig. E-1, NTS 92, No. 166)

LOCATION:	Lat. 50° 38′ Long. 127° 28′ (92L/11W) NANAIMO M.D. Immediately north of the Island Copper mine pit.
CLAIMS:	LAKE, KEN, BEE, BIM, SPAM, etc. (approximately 40 units).
OWNERS:	Utah Mines Ltd. and G. Milbourne.
OPERATOR:	UTAH MINES LTD., Box 370, Port Hardy.
DESCRIPTION:	Skarn in Parson Bay Formation rocks near the contact with Karmutsen volcanic rocks carries chalcopyrite and pyrite replacement mineralization.
WORK DONE:	Surface diamond drilling, BQ, totalling 517 metres, on Lake.
REFERENCES:	Assessment Reports 894, 3474, 6027, 7562.

FRANCIS, LITTLE JOE (Fig. E-1, NTS 92, No. 167)

LOCATION:	Lat. 50° 38.3′ Long. 127° 28′ (92L/11W) NANAIMO M.D. Ten kilometres south of Port Hardy and 5 kilometres east of Quatse Lake.
CLAIM:	CLIFF 78 (10 units), CLIFF 79 Fraction.
OWNER:	J. M. McANDREW, 8961 Ursus Crescent, Surrey V3V 6L3.
METALS:	Copper, silver, zinc, iron.
DESCRIPTION:	Contact metasomatic deposits occur within Quatsino limestone and Karmutsen volcanic rocks which are cut by porphyry dykes. Chalcopyrite, magnetite, and sphalerite occur in skarn zones at footwall and hangingwall contacts.
WORK DONE:	Four trenches, totalling 17 metres in length; surface geological mapping, 1:1000, covering both claims.
REFERENCES:	Mineral Inventory 92L-113, 159; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 182; *Geol. Surv., Canada*, Paper 74-8, pp. 61, 62; Assessment Report 2381.

COVE (Fig. E-1, NTS 92, No. 168)

LOCATION: Lat. 50° 36′ Long. 127° 31′ (92L/12E)
NANAIMO M.D. Immediately west of the Island Copper pit.
CLAIMS: KOL, BAY, ART, COVE (approximately 26 claims and fractions).
OWNERS: Utah Mines Ltd. and G. Milbourne.
OPERATOR: UTAH MINES LTD., Box 370, Port Hardy.
WORK DONE: Surface diamond drilling, 2 BQ holes, totalling 453 metres, on Cove 17.
REFERENCE: Assessment Report 7427.

A (Fig. E-1, NTS 92, No. 214)

LOCATION: Lat. 50° 40.5′ Long. 127° 41.5′ (92L/12E)
NANAIMO M.D. Sixteen kilometres west-southwest of Port Hardy, 3 kilometres south of Kains Lake.
CLAIM: ST (18 units).
OWNER: ELECTRA RESOURCES CORPORATION, 616, 510 West Hastings Street, Vancouver V6B 1L8.
METALS: Zinc, lead, copper, silver.
DESCRIPTION: The claim is underlain by a volcanic and sedimentary rock sequence consisting of Karmutsen basalt, Quatsino limestone, Parson Bay shaly limestone and Bonanza felsite, porphyry, and mafic tuff. Sphalerite, galena, chalcopyrite, and pyrite occur in skarn-like gangue.
WORK DONE: Linecutting, 7.4 kilometres; surface geological mapping, 1:2000; ground magnetometer survey, 2 kilometres; and geochemical survey, 186 soil samples analysed for copper, lead, and zinc, covering southwest portion of ST.
REFERENCES: Mineral Inventory 92L-239; Assessment Report 7847.

HPH, ST. CLAIR (Fig. E-1, NTS 92, No. 169)

LOCATION: Lat. 50° 42′ Long. 127° 48′ (92L/12W)
NANAIMO M.D. Twenty-two kilometres west of Port Hardy, straddling the Nahwitti River, 2 kilometres from the east end of Nahwitti Lake.
CLAIMS: GOLD (12 units), DUST (3 units).
OWNER: N. J. Kvenich.
OPERATOR: LOREDI RESOURCES LTD., 1005, 789 West Pender Street, Vancouver.
METALS: Zinc, lead, copper, silver.
DESCRIPTION: The claims are underlain by volcanic and sedimentary units of the Vancouver Group intruded by granodiorite and diorite. They cover known zinc-lead-copper-silver mineralization.
WORK DONE: Surface geological mapping, 1:2500, covering entire property.
REFERENCES: Mineral Inventory 92L-69, 75, 241 to 243; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 261; Assessment Reports 870, 2205, 3055, 3609, 3954, 4180, 4472, 7566.

SOUTH SHORE (Fig. E-1, NTS 92, No. 216)

LOCATION: Lat. 50° 42′ Long. 127° 51′ (92L/12W)
NANAIMO M.D. Twenty-six kilometres west of Port Hardy, on the south shore of Nahwitti Lake.

CLAIM: BIG JOE (10 units).

OWNER: J. Martin.

OPERATORS: AGILIS EXPLORATION SERVICES LTD., 107, 325 Howe Street, Vancouver, and CYCLONE DEVELOPMENTS LTD., 1458, 409 Granville Street, Vancouver.

METALS: Silver, lead, zinc, copper, iron, cadmium.

DESCRIPTION: The claim is underlain by andesite, cherty sedimentary rocks, and limestone intruded by pink granodiorite. Magnetite, pyrite, sphalerite, and chalcopyrite occur in skarn lenses.

WORK DONE: Pace, compass, and chain survey, 4 kilometres of baseline and 16 kilometres of grid, covering most claim units.

REFERENCES: Mineral Inventory 92L-74, 244, 245; Assessment Reports 870, 3055, 7652.

MOUNT WADDINGTON 92N

HOODOO (VAN, BZT) (Fig. E-1, NTS 92, No. 171)

LOCATION: Lat. 51° 21′ Long. 125° 36′ (92N/5E)
VANCOUVER M.D. Thirty kilometres north of the head of Knight Inlet, along Hoodoo Creek from 1 to 8.5 kilometres east of Klinaklini River.

CLAIMS: BZT 1 to 9 (103 units).

OWNER: Amax of Canada Limited.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver.

METALS: Molybdenum, copper, gold, zinc.

DESCRIPTION: A high-level, subvolcanic, acid porphyry stock and dyke complex of Miocene/Pliocene age intrudes Coast Range quartz diorite. Molybdenite and chalcopyrite occur in fracture and quartz vein stockworks.

WORK DONE: Surface diamond drilling, 2 holes, totalling 502 metres, on BZT 6 and 7.

REFERENCES: Mineral Inventory 92N-29, 34; *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1978, p. E 183; Assessment Reports 1668, 6819, 7415.

MOUNTAIN BOSS, BLUEBELL, BRITON–MONARCH (Fig. E-1, NTS 92, No. 172)

LOCATION: Lat. 51° 49′ Long. 125° 04′ (92N/14E)
CARIBOO M.D. Thirty-three kilometres west-southwest of Tatla Lake settlement, the Apex claims lying on the northeast ridge of Perkins

Peak and the Crown-granted claims on the southeast slope of Perkins Peak.

CLAIMS: APEX 1 to 54 plus BLUEBELL, HEATHER, MONARCH, IRON, CROWN NO. 7, BRITON, BELCHER 1 to 8 reverted Crown-granted claims.
OWNER: Kleena Kleene Gold Mines Ltd.
OPERATOR: HUNTER POINT EXPLORATIONS LTD., D, 181 West Broadway, Vancouver V5Y 1P4.
METALS: Gold, silver.
WORK DONE: Prospecting, covering all claims; road construction, covering Apex 1-8.
REFERENCES: Mineral Inventory 92N-10, 11, 12; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 184.

RUNOFF, DIAMOND WILLOW (Fig. E-1, NTS 92, No. 173)

LOCATION: Lat. 51° 49' Long. 124° 44' (92N/15E)
CLINTON M.D. Fourteen kilometres southwest of the town of Tatla Lake, between Waterlily and Sapeye Lakes.
CLAIMS: RUNOFF, DIAMOND WILLOW (6 units each).
OWNER: M. St. C. FOX, 1937(E), 24A Street SW, Calgary, Alberta.
DESCRIPTION: The area is underlain by a succession of calcareous and carbonaceous marine sedimentary and volcano-sedimentary rocks of Middle to Early Cretaceous age, within Late Cretaceous to Early Tertiary Coast Range plutonic rocks.
WORK DONE: 1978 – surface geological mapping, 1:5000; geochemical survey, 151 soil samples analysed for silver and arsenic and 18 rock samples analysed for gold and arsenic; ground magnetometer survey, 72 kilometres; and petrography, 26 kilometres, covering Diamond Willow.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 130 (Sap); Assessment Reports 2174, 5808.

EMM (Fig. E-1, NTS 92, No. 221)

LOCATION: Lat. 51° 58' Long. 124° 16' (92N/16)
CLINTON M.D. Centred 24 kilometres east-northeast of Tatla Lake settlement, extending northeastward from Eagle Lake through Buckhorn Lakes.
CLAIMS: EMM 1 to 4 (66 units).
OWNER: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta T2P 0S2.
WORK DONE: Induced polarization survey, 9 kilometres, covering parts of Emm 2-4; photo interpretation, covering all claims; surface diamond drilling, 2 NQ holes and downhole radiometric logging, on EMM 3 and 4.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 184; Assessment Report 6693.

TASEKO LAKES 92O

POISON MOUNTAIN (COPPER, PM) (Fig. E-1, NTS 92, No. 175)

LOCATION: Lat. 51° 08′ Long. 122° 38′ (92O/2E)
CLINTON and LILLOOET M.D. Approximately 35 kilometres west of the community of Big Bar Creek, on the west side of the upper Yalakom River, covering Buck Mountain and Poison Mountain.

CLAIMS: GIANT 1 to 25, 26 to 28 Fractions, 29 to 114, 115 to 124 Fractions, 125 to 134, 135 to 139 Fractions, 140, 141, 142 to 143 Fractions, 144, 145, OK 1 to 16, CHEAP 1 to 12, PM 1 to 3, COPPER 1 to 4, REX 1 to 12, 15 and 16 Fractions, 17 to 46, 47 and 48 Fractions.

OWNER: Homestake Mineral Development Company.

OPERATOR: LONG LAC MINERAL EXPLORATION LTD., 1680, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum, gold, silver.

DESCRIPTION: The geology of the claim area reveals Jura/Cretaceous sedimentary rocks intruded by at least four phases of Eocene (?) feldspar porphyry intrusive rocks. The sedimentary rocks are composed of greywackes and argillites with minor conglomerate, mudstones, and siltstones. The sedimentary rocks near and at the intrusive contacts are metamorphosed to a biotite hornfels. Ore minerals consist of chalcopyrite, chalcocite, bornite, malachite, azurite, native copper, cuprite, molybdenite, gold, and silver. The copper and molybdenum are found mostly as fracture fillings and disseminations, while the gold and silver are not visible to the naked eye.

WORK DONE: Surface diamond drilling, 6 NQ holes, totalling 1 235.20 metres, on Copper 1-3, Rex 1, 3, 4, 7, 8, Cheap 7, 8, Giant 63, 64, 126; percussion drilling, 22 holes, totalling 2 022.66 metres, on Copper 1, 3, Rex 3-8, Cheap 7-10, Giant 63, 126, 128; control and topographical survey, 18 kilometres, covering Copper 1-4, Rex 1-8, PM 1-4, Cheap 5-12, Giant 63, 64, 125-128, 143 Fraction.

REFERENCES: Mineral Inventory 92O-30, 46 to 48, 61, 62; *C.I.M.*, Spec. Vol. 15, 1976 (Porphyry Deposits of the Canadian Cordillera), p. 323; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 216; 1971, p. 326; *Minister of Mines, B.C.*, Ann. Rept., 1946, p. 101; 1956, p. 35; 1961, p. 24; 1966, p. 136; 1967, p. 127; Assessment Reports 278, 411, 968.

BONANZA, ROBSON (Fig. E-1, NTS 92, No. 176)

LOCATION: Lat. 51° 01′ Long. 122° 53′ (92O/2W)
LILLOOET M.D. Seventeen kilometres north of Gold Bridge, between Bonanza Creek and Eldorado Mountain.

CLAIMS: NEA Fraction, OX, HI GRADE Fraction, JG Fraction, JG 1 to 7, K 2, K 4 to 6, WG, WG Fraction, ANN, ANN 1, A 2 to 8, TAX Fraction, B 1 to 8, VISTA, TROLL (8 units), TROLL 1 to 3 Fractions.

OWNER: MUTUAL RESOURCES LTD., 904, 1199 West Hastings Street, Vancouver V6E 3V4.

METALS: Gold, silver.

DESCRIPTION: Gold and silver occur in veins at or near the contact between a mass of Late Cretaceous to Early Tertiary quartz diorite and mudstone to siltstone of the Upper Triassic Hurley Formation. One of these occurrences in the north part of the claim block includes massive sulphide, predominantly arsenopyrite with lesser or minor chalcopyrite, pyrrhotite, pyrite, and sphalerite.

WORK DONE: Trenching, with cat, 6 trenches, 4 800 metres total length, on WG, WG Fraction, K 2, K 4, NEA Fraction, B 3, B 5, B 7, Tax Fraction, Vista, JG Fraction.

REFERENCES: Mineral Inventory 92O-26; *Minister of Mines, B.C.*, Ann. Rept., 1913, pp. 266-270; 1925, pp. 142, 143; 1933, pp. 268, 269; 1940, pp. 59, 60; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 118, E 119; 1976, pp. E 130, E 131; Assessment Report 6002.

FISH LAKE (BB, VICCAL) (Fig. E-1, NTS 92, No. 177)

LOCATION: Lat. 51° 28′ Long. 123° 37′ (92O/5E)
CLINTON M.D. Twelve kilometres north of the north end of Lower Taseko Lake, at Fish Lake.

CLAIMS: FL 1 to 4 (63 units) and L 7 to 12, 21 to 24, 31 to 48, K 53 to 59, 61, 63, 66, 68, 70, 72, 74, 76, 116 to 136, BJ 1, 3, 5, 7, 9, 11, 13 to 42, TK 1 to 10, 15 to 26, 29 to 47, 49 to 54, 57, 58, 61 to 68, TEL 57, 59, 75 to 77, .

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Gold, copper.

DESCRIPTION: Regionally the geology includes Upper and Lower Cretaceous andesites, greywackes, conglomerates, and shales which have been intruded by a dioritic stock. Overlying these rocks are basaltic flows of Tertiary age. The percussion drilling program has partly tested a mineralized zone trending eastward from the Fish Lake copper-gold deposit. The zone is located on a major fault structure cutting quartz porphyry dykes and quartz diorite intrusive rocks. It could be coincident with the pyrite halo around the Fish Lake mineral deposit to the west or it may be a separate pyrite and gold occurrence developed on similar structures to those that localized in the Fish Lake porphyry deposit.

WORK DONE: Percussion drilling, 14 holes, totalling 1 061 metres, on BJ 25, TK 29, 30, 32, 34, 49, 51, 52, 61.

REFERENCES: Mineral Inventory 92O-41, 42; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 222; Assessment Reports 369, 2483, 2702, 4966.

WH (Fig. E-1, NTS 92, No. 179)

LOCATION: Lat. 51° 28′ Long. 122° 48′ (92O/7W)
CLINTON M.D. Thirty-two kilometres west-southwest of Gang Ranch at Gaspard Lake straddling Gaspard Creek and part of Stobart Creek.
CLAIMS: WH 1 to 5 (98 units).
OWNER: LONG LAC MINERAL EXPLORATION LTD., 1680, 1050 West Pender Street, Vancouver V6E 3S7.
WORK DONE: Percussion drilling, 2 holes, totalling 121.9 metres, on WH 1.
REFERENCE: Assessment Report 7634.

BUBBLE (Fig. E-1, NTS 92, No. 180)

LOCATION: Lat. 51° 20′ Long. 122° 27′ (92O/8W)
CLINTON M.D. Twenty-five kilometres south-southwest of Gang Ranch, between Black Dome Mountain and the north fork of Porcupine Creek.
CLAIM: BUBBLE (20 units).
OWNER: MALABAR MINES LTD., 1326, 510 West Hastings Street, Vancouver V6B 1L8.
DESCRIPTION: The property is underlain by Tertiary felsic volcanic rocks containing pyrite.
WORK DONE: Reconnaissance geochemical survey, 170 soil samples analysed for gold, silver, antimony, and arsenic, covering Bubble.

GIANT, RED BIRD, BJ (DOME) (Fig. E-1, NTS 92, No. 178)

LOCATION: Lat. 51° 20′ Long. 122° 30′ (92O/8W, 7E)
CLINTON M.D. Twenty-six kilometres south-southwest of Gang Ranch, surrounding Black Dome Mountain.
CLAIMS: BLACKDOME 1 to 4 (Lots 7871 to 7880) and DOME 1 to 3, 6 to 10 (97 units).
OWNER: BLACKDOME EXPLORATION LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.
METALS: Gold, silver.
WORK DONE: Surface geological mapping, 1:5000, covering Dome 10; geochemical survey, 1 073 soil and 76 rock samples analysed for gold, covering Dome 1, 2, and 10; surface diamond drilling, 36 BQ holes, totalling 2 096.6 metres; trenching, 5 trenches, 600 metres total length; and road construction, 1 kilometre, on Dome 1 and 2.
REFERENCES: Mineral Inventory 92O-50 to 53, 66; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 185; Assessment Reports 6692, 7161, 7512.

DA (Fig. E-1, NTS 92, No. 181)

LOCATION: Lat. 51° 35′ Long. 122° 42′ (92O/10E)
CLINTON M.D. Approximately 25 kilometres west of the Gang Ranch, on Gaspard Creek.

CLAIMS: DA 1 to 5 (79 units).

OWNER: LONG LAC MINERAL EXPLORATION LTD., 1680, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The major portion of the claims is covered by Miocene/Pliocene basalt. A small area of Miocene sedimentary rocks to the north and overburden to the west is also found within the claim area. The basement rocks are Middle Jurassic gneissic granodiorite to the west and Late Cretaceous quartz monzonite to the east and north.

WORK DONE: Percussion drilling, 6 holes, totalling 624.8 metres, on DA 1, 2, 4 and 5; geochemical survey, 16 silt samples analysed for gold and uranium, covering all claims.

REFERENCE: Assessment Report 7631.

JAY (Fig. E-1, NTS 92, No. 222)

LOCATION: Lat. 51° 48' Long. 123° 07' (92O/14E)
CLINTON M.D. Centred on Hutch Lake, 10 kilometres northwest of Big Creek settlement.

CLAIMS: JAY 1 to 11 (208 units).

OWNER: KELVIN ENERGY LIMITED, 434, 550 Sixth Avenue SW, Calgary, Alberta T2P 0S2.

WORK DONE: Photo interpretation, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 185; Assessment Report 6693.

BONAPARTE RIVER 92P

AM (Fig. E-1, NTS 92, No. 182)

LOCATION: Lat. 51° 10' Long. 120° 06' (92P/1E)
KAMLOOPS M.D. On the east side of the North Thompson River, 3 kilometres southeast of its confluence with the Barriere River, on the south slope of Mount Armour.

CLAIM: AM (18 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

DESCRIPTION: Small lenses of massive sulphides, mostly pyrite, occur in Eagle Bay rocks.

WORK DONE: VLF–EM and ground magnetometer survey, 14 kilometres each, covering AM.

VIDETTE (Fig. E-1, NTS 92, No. 183)

LOCATION: Lat. 51° 10' Long. 120° 54' (92P/2W)
CLINTON M.D. Twenty kilometres southwest of Bonaparte Lake, at the northwest end of Vidette Lake.

CLAIM: SEARCHER 2 Fraction.

OWNER: J. D. MURPHY, 1335 Todd Road, Kamloops V2C 5B4.

METALS: Gold, silver, copper.

DESCRIPTION: Nicola Group andesitic rocks host quartz veins with associated gold, pyrite, and chalcopyrite.

WORK DONE: 1978 – prospecting.

REFERENCES: Mineral Inventory 92P-86; *Minister of Mines, B.C.*, Ann. Rept., 1940, p. 60; Assessment Reports 4257, 7164.

SKOW (Fig. E-1, NTS 92, No. 217)

LOCATION: Lat. 51° 16.7′ Long. 120° 06′ (92P/8E)
KAMLOOPS M.D. Ten kilometres north of Barriere, at the headwaters of Skowootum Creek, east side of the North Thompson River.

CLAIM: SKOW (20 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

DESCRIPTION: Copper showings occur in rocks belonging to the Fennell Formation.

WORK DONE: Linecutting, 11.6 kilometres, and geochemical survey, 209 soil and silt samples analysed for copper, zinc, lead, and molybdenum, covering Skow.

REFERENCE: Assessment Report 7760.

CH (Fig. E-1, NTS 92, No. 223)

LOCATION: Lat. 51° 18′ Long. 120° 02′ (92P/8E; 82M/5W)
KAMLOOPS M.D. Eighteen kilometres southeast of Little Fort, on the headwaters of Delta, Sprague, Chu Chua, Newhykulston, and Skowootum Creeks.

CLAIMS: CH 1 to 16 (approximately 300 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

WORK DONE: Airborne electromagnetic and magnetometer survey, 730 kilometres, covering all claims; surface diamond drilling, 3 holes, totalling 130 metres, on CH 11 and 16.

REFERENCES: Assessment Reports 4434, 4776.

L, K (Fig. E-1, NTS 92, No. 189)

LOCATION: Lat. 51° 18′ Long. 120° 06′ (92P/8E)
KAMLOOPS M.D. Four kilometres southeast of Chu Chua post office, on Newhykulston Creek.

CLAIMS: BM 1 to 8 (1 unit each), NOOK 1 and NOOK 2 (20 units each).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METALS: Copper, silver.

DESCRIPTION: The property contains a 0.6-metre-wide massive sulphide showing in sheared cherty rhyolites within andesites of the Fennell Formation.

WORK DONE: 1978 and 1979 – linecutting; geochemical survey, 1 021 soil samples analysed for copper, zinc, lead, and molybdenum; ground electromagnetic survey, 48 kilometres; ground magnetometer survey, 40.3 kilometres; airborne electromagnetic and magnetometer survey, 85.4 kilometres, covering all claims.

REFERENCES: Mineral Inventory 92P-101; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 176; Assessment Report 7555.

MS (Fig. E-1, NTS 92, No. 186)

LOCATION: Lat. 51° 27′ Long. 120° 03′ (92P/8E)
KAMLOOPS M.D. Ten kilometres east-northeast of Little Fort, 4 kilometres due east of Dunn Lake, between Teather and Dunn Creeks.

CLAIMS: MS 1 to 7 (83 units), BRIDGE (20 units).

OWNER: CANADIAN NICKEL COMPANY LIMITED, 160, 10451 Shellbridge Way, Richmond.

DESCRIPTION: Relatively unaltered andesite and basalt of the Fennell Formation are intruded by sills of gabbro composition and rocks of the Baldy batholith.

WORK DONE: VLF–EM survey and ground magnetometer survey, 110 kilometres, covering MS 1-7.

REFERENCE: Assessment Report 7627.

TRIAD (Fig. E-1, NTS 92, No. 188)

LOCATION: Lat. 51° 28′ Long. 120° 07′ (92P/8E)
KAMLOOPS M.D. Seven kilometres northeast of Little Fort, 2 kilometres immediately north of the north end of Dunn Lake.

CLAIM: TRIAD 1 (6 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue SW, Calgary, Alberta T2P 2K6.

DESCRIPTION: The claim is underlain by volcanic rocks of the Fennell Formation, on top of which lie carbonaceous sandstones and pebble boulder conglomerates thought to be derived primarily from a granitic source and containing carbonaceous material and coalified fragments. These Eocene age Chu Chua Formation sedimentary rocks are in turn capped by basaltic lavas of the Eocene/Oligocene Skull Hill Formation.

WORK DONE: Geochemical survey, 117 soil, 2 water, and 5 rock samples analysed for uranium; surface geological mapping, 1:5000; and ground radiometric survey, 14 kilometres, covering Triad.

REFERENCE: Assessment Report 7426.

CHU CHUA (Fig. E-1, NTS 92, No. 187)

LOCATION: Lat. 51° 23′ Long. 120° 03′ (92P/8E)
KAMLOOPS M.D. Five kilometres east-northeast of Chu Chua station, 1 kilometre east of Chu Chua Mountain.

CLAIMS: CC 1 to 11 (150 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Copper, gold, silver.

DESCRIPTION: A conformable pyritic massive sulphide deposit occurs in intermediate to basic volcanic rocks.

WORK DONE: Geochemical survey, 460 soil samples analysed for copper, zinc, lead, and silver, covering CC 1-7; ground magnetometer survey and electromagnetic survey, 20 kilometres each, covering CC 6 and 7; surface diamond drilling, 22 holes, totalling 3 475 metres, on CC 1, 4, and 6; road construction, 1.6 kilometres, on CC 4, 6, and 7.

REFERENCES: Mineral Inventory 92P-140; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 187; Assessment Report 7110, 7443, 7499.

JOSEPH (Fig. E-1, NTS 92, No. 224)

LOCATION: Lat. 51° 32′ Long. 120° 04′ (92P/9E; 82M/12W)
KAMLOOPS M.D. Twelve kilometres south of Clearwater, east of the North Thompson River and north of Joseph Creek.

CLAIMS: JOSEPH 1 to 20 (374 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

WORK DONE: Airborne electromagnetic and magnetometer surveys, 700 kilometres, covering all claims; VLF–EM and magnetic surveys, 25 kilometres each, covering Joseph 5, 7, 9.

RUSSELL (Fig. E-1, NTS 92, No. 192)

LOCATION: Lat. 51° 36′ Long. 120° 03′ (92P/9E)
KAMLOOPS M.D. On the east bank of the North Thompson River, extending southward from Clearwater station for approximately 7 kilometres.

CLAIMS: RUSSELL 1 to 6 (108 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

WORK DONE: Airborne electromagnetic and magnetometer survey, 240 kilometres, covering all claims.

SONJA (Fig. E-1, NTS 92, No. 193)

LOCATION: Lat. 51° 38′ Long. 120° 01′ (92P/9E)
KAMLOOPS M.D. One kilometre east of Clearwater station, on the south side of the North Thompson River.

CLAIMS: SONJA 3, SONJA 2 (Lot 6201).

OWNER: R. J. FRANKS, Box 70, Vavenby V0E 3A0.

METALS: Gold, silver, copper, molybdenum.

WORK DONE: Trenching, 61 cubic metres, and adit and pit rehabilitation, on both claims.

REFERENCES: Mineral Inventory 92P-49; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 187.

BERNY (Fig. E-1, NTS 92, No. 190)

LOCATION: Lat. 51° 38′ Long. 120° 11′ (92P/9E)
KAMLOOPS M.D. Ten kilometres west-southwest of Clearwater, covering an area surrounding Lolo Lake.

CLAIMS: BERNY 1 and 2 (18 units each).

OWNER: Vestor Explorations Ltd.

OPERATORS: VESTOR EXPLORATIONS LTD., PACIFIC CASSIAR LIMITED, and SEAFORTH MINES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9.

WORK DONE: Geochemical survey, 209 soil samples analysed for copper, zinc, and lead, covering all claims.

REFERENCE: Assessment Report 7497.

LOCK (Fig. E-1, NTS 92, No. 191)

LOCATION: Lat. 51° 36′ Long. 120° 02′ (92P/9E)
KAMLOOPS M.D. Three kilometres due south of Clearwater, straddling Russell Creek.

CLAIM: LOCK 1 (20 units).

OWNER: Vestor Explorations Ltd.

OPERATORS: VESTOR EXPLORATIONS LTD., PACIFIC CASSIAR LIMITED, and SEAFORTH MINES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9.

WORK DONE: Geochemical survey, 122 soil samples analysed for copper, lead, and zinc, covering Lock 1.

REFERENCE: Assessment Report 7496.

WD (FF, YEP) (Fig. E-1, NTS 92, No. 195)

LOCATION: Lat. 51° 54′ Long. 121° 22′ (92P/14W)
CLINTON M.D. Centred 12 kilometres northeast of Lac la Hache village, on Timothy Creek, 7 kilometres northwest of Timothy Lake.

CLAIMS: WESTIM, WESTIM 2 and 3, RAINBOW 1 to 3 (71 units).

OWNER: C. E. Gunn.

OPERATOR: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver.

METALS: Lead, copper, zinc.

DESCRIPTION: The area is underlain by trachytic andesites and agglomerate of the Skull Hill Formation. Mineralization occurs as veins within sheared and altered zones.

WORK DONE: 1978 – surface diamond drilling, 2 BQ holes, totalling 318 metres, on Westim 2.

REFERENCES: Mineral Inventory 92P-33; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 188; Assessment Reports 3817, 4544, 5067, 7256, 7454.

NOD, SL, CS (Fig. E-1, NTS 92, No. 199)

LOCATION: Lat. 51° 47′ Long. 120° 25′ (92P/16W)
KAMLOOPS M.D. Thirty kilometres northwest of Clearwater, covering Sicily Lake and extending westward from Patricia Lake.

CLAIMS: MOLY (20 units), KM 1 (14 units), KM 2 (12 units), KM 3 (20 units), KM 4 (16 units), KD 1 (4 units).

OWNER: NORSEMONT MINING CORPORATION, 409, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Molybdenum, copper.

DESCRIPTION: The country rock comprises multiple intrusions of Raft batholith quartz diorite. Molybdenite occurs in association with aplite dykes; chalcopyrite occurs associated with kaolinized shear zones.

WORK DONE: Trenching, 200 cubic metres; percussion drilling, 11 holes, totalling 750 metres; and geochemical survey, covering Moly.

REFERENCES: Mineral Inventory 92P-22, 26, 103; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 133; Assessment Reports 1013, 1026, 1834, 2378, 2571, 4496, 5083, 5084, 5085, 6171.

AVH (Fig. E-1, NTS 92, No. 196)

LOCATION: Lat. 51° 48′ Long. 120° 02′ (92P/16E)
KAMLOOPS M.D. Twenty kilometres north of Clearwater, straddling and to the east of the Clearwater River, extending from Moul Creek southward.

CLAIMS: AVH 1 to 8 (79 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue SW, Calgary, Alberta T2P 2K6.

DESCRIPTION: The property covers a sequence of Late Tertiary sedimentary and volcanic rocks which lie disconformably on deeply incised granitic rocks of the Cretaceous Raft batholith. In several places on the property, unconsolidated, granite boulder conglomerate and minor sandstone occur between granitic rocks of the Raft batholith and the Tertiary basaltic lava flow rocks. In places the Tertiary basalts are between 30 and 46 metres thick, and form a broad level floor on the bottom of the valley.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 200 soil and silt and 30 water samples analysed for uranium and molybdenum, covering all claims; induced polarization survey, 7 kilometres; ground magnetometer survey, 7 kilometres; and surface diamond drilling, 5 HQ holes, totalling 351 metres, on AVH 1-3.

REFERENCE: Assessment Report 7447.

LIZARD HEAD (Fig. E-1, NTS 92, No. 197)

LOCATION: Lat. 51° 46′ Long. 120° 15′ (92P/16)
KAMLOOPS M.D. Approximately 20 kilometres northwest of Clearwater, south of Moira Lake, to the west of Lizard Head Mountain.

CLAIMS: LIZARD HEAD 1 to 3 (43 units).

OWNER: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver.

DESCRIPTION: The property is located within the Raft batholith of Cretaceous age and is of granitic, granodioritic, and monzonitic composition.

WORK DONE: 1978 – geochemical survey, 296 soil and 36 silt samples analysed for molybdenum, covering all claims.

REFERENCE: Assessment Report 7467.

MMM (Fig. E-1, NTS 92, No. 198)

LOCATION: Lat. 51° 49′ Long. 120° 15′ (92P/16)
KAMLOOPS M.D. Approximately 26 kilometres northwest of Clearwater, 4 kilometres northwest of Moira Lake, on Swayback Ridge.

CLAIMS: MMM 1 (10 units), MMM 2 (18 units).

OWNER: J. A. CLIMIE, 904 Lake Twintree Crescent SE, Calgary, Alberta.

DESCRIPTION: The area is underlain by schists, quartzites, and phyllites of Cambrian age and by volcanic and metasedimentary rocks of unknown age, all of the Kaza Group.

WORK DONE: Ground radiometric survey; geochemical survey, 604 soil samples analysed for lead, zinc, silver, molybdenum, uranium, and copper; ground electromagnetic and magnetometer surveys, 19.5 kilometres; and 8 petrographic samples, covering all claims.

REFERENCE: Assessment Report 7442.

PARALLAX (Fig. E-1, NTS 92, No. 200)

LOCATION: Lat. 51° 45′ Long. 120° 18′ (92P/16, 9W)
KAMLOOPS M.D. Approximately 20 kilometres northwest of Clearwater, 4 kilometres west of Lizard Head Mountain straddling Mann Creek.

CLAIMS: PARALLAX 1 to 8, 10 (98 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue SW, Calgary, Alberta T2P 2K6.

DESCRIPTION: The claim block is underlain in part by Late Tertiary valley basalt. The basalt covers a paleovalley which is eroded into granitic rocks of the Raft batholith. The paleovalley, one which contains unconsolidated fluvial and lacustrine sedimentary rocks, generally conforms to the present day Mann Creek valley which is relatively steep and is bounded by Lizard Head Mountain to the east and Swayback Ridge to the north. The creek bottom is relatively flat, heavily timbered, and locally very swampy.

WORK DONE: Surface geological mapping, 1:10 000 and geochemical survey, 150 soil, silt, and water samples analysed for uranium and molybdenum, covering all claims; ground magnetometer survey, 20 kilometres, covering Parallax 1 and 2; surface diamond drilling and radiation probing, 7 HQ holes, totalling 580 metres, on Parallax 1-3.

REFERENCE: Assessment Report 7513.

EAST CENTRAL BRITISH COLUMBIA
(NTS Division 93)

QUESNEL LAKE 93A

BUS (Fig. E-1, NTS 93, No. 1)

LOCATION:	Lat. 52° 10' Long. 120° 59' (93A/2W) CARIBOO M.D. Thirty-eight kilometres southeast of Horsefly, immediately northwest of Buster Lake.
CLAIM:	BUS 1 (20 units).
OWNER:	J. R. Kerr.
OPERATOR:	HUDSON'S BAY OIL & GAS COMPANY LIMITED, 700 Second Street SW, Calgary, Alberta T2P 0X5.
DESCRIPTION:	A fine-grained hornblende diorite phase of the Takomkane batholith is exposed throughout the property.
WORK DONE:	Surface geological mapping, 1:5000, and geochemical survey, 187 soil, 15 silt, and 37 rock samples analysed for copper, molybdenum, lead, zinc, and silver, covering Bus 1.

TJW (Fig. E-1, NTS 93, No. 2)

LOCATION:	Lat. 52° 04' Long. 121° 21' (93A/3W) CARIBOO M.D. In the McIntosh Lakes area, on the north side of Canim Creek, 3.5 kilometres from the west end of Murphy Lake.
CLAIMS:	TJW (6 units), TJW B (3 units), TJW C (2 units).
OWNERS:	Theodore Kuhn, J. H. Franks, and W. Franks.
OPERATOR:	J. H. FRANKS, 8909 Mary Street, Chilliwack V2P 4J4.
WORK DONE:	Road cleared, 400 metres by 3 metres, on TJW (unit 3); trail cutting, 290 metres, on TJW (units 2 and 3); drilling for blasting and four test tests, each pit measuring 1.5 square metres, on TJW (unit 2).
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 190; Assessment Report 7030.

WET, GAVIN (Fig. E-1, NTS 93, No. 4)

LOCATION:	Lat. 52° 30' Long. 121° 45' (93A/5) CARIBOO M.D. Ten kilometres east-northeast of Big Lake Ranch, on the north shore of Gavin Lake.

CLAIMS: GAVIN (18 units), GAVIN 2 (9 units).

OWNER: Brican Resources Ltd.

OPERATOR: ST. ELIAS EXPLORATION CORPORATION, 401, 134 Abbott Street, Vancouver.

METALS: Molybdenum, copper.

DESCRIPTION: The property is underlain by a quartz monzonite porphyry dyke swarm which intrudes a sequence of siltstone, argillite, and basic volcanic flow rocks. Local mineralization consists of disseminated pyrite throughout and minor chalcopyrite and molybdenite associated with the porphyry dykes and quartz veins within the porphyry.

WORK DONE: Linecutting, 17 kilometres; induced polarization survey, 6.7 kilometres; geologic fracture mapping, 1:5000; and geochemical survey, 340 soil samples analysed for molybdenum and copper, covering both claims.

REFERENCES: Mineral Inventory 93A-59; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 236; Assessment Reports 2445, 2733, 7333, 7396.

GREEN ICE (Fig. E-1, NTS 93, No. 5)

LOCATION: Lat. 52° 40′ Long. 120° 35′ (93A/10E)
CARIBOO M.D. Fifty-five kilometres east-southeast of Keithley Creek, on the headwaters of Roaring River, west of Niagara Peak.

CLAIMS: GREEN ICE (12 units), GREEN ICE B (8 units), GREEN ICE C (10 units).

OWNER: GREEN ICE MINING CORPORATION, Box 11107, Royal Centre, 1055 West Georgia Street, Vancouver V6E 3P3.

DESCRIPTION: Sphalerite occurs in partly brecciated and sericitized white marble.

WORK DONE: Surface diamond drilling, 3 EX holes, totalling 78 metres.

REFERENCE: Assessment Report 7655.

PESO (Fig. E-1, NTS 93, No. 6)

LOCATION: Lat. 52° 35′ Long. 121° 28′ (93A/11W)
CARIBOO M.D. Located 8 kilometres east-southeast of Likely, and west-southwest from the west end of Spanish Lake.

CLAIMS: PESO, PESO B, PESO E (33 units).

OWNERS: Aquarius Resources Ltd. and R. E. Mickle.

OPERATOR: AQUARIUS RESOURCES LTD., c/o 4822 Delta Street, Delta V4K 2T8.

DESCRIPTION: A dark grey fine-grained Midas Formation (?) phyllite is interbedded with impure quartzite horizons of varying thickness and extent. Mineralization is associated with quartz veins and includes gold, silver, pyrite, galena, and tetrahedrite.

WORK DONE: Linecutting, 11 kilometres, and geochemical survey, 426 soil samples analysed for gold and lead, covering Peso B.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1923, pp. 124-130; 1924, pp. 199-126; 1933, pp. 134, 135; 1947, pp. 123-127; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 190; Assessment Reports 6935, 7674.

SUNSHINE (Fig. E-1, NTS 93, No. 7)

LOCATION: Lat. 52° 33′ Long. 121° 29′ (93A/11W, 12E)
CARIBOO M.D. On both sides of the Cariboo River, 7 kilometres northeast of Likely, covering the Spanish River and the mouth of Collinsby Creek.

CLAIMS: NOV 1 to 4 (76 units).

OWNER: R. E. MICKLE, 5416 Manson Avenue, Powell River V8A 3P4.

METALS: Gold, silver, lead, copper.

DESCRIPTION: Gold and silver mineralization occurs in 15 to 20-centimetre veins cutting shale on the north side of the Cariboo River and in Spanish River Canyon.

WORK DONE: Prospecting, covering Nov 1-4; surface geological mapping, covering Nov 2-4; trenching, 6 metres; 10 rock samples; and cleaning of old adit, covering Nov 2.

REFERENCES: Mineral Inventory 93A-132; *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 136.

CARIBOO–BELL (Fig. E-1, NTS 93, No. 11)

LOCATION: Lat. 52° 32′ Long. 121° 37′ (93A/12E)
CARIBOO M.D. On Mount Polley, between Bootjack Lake and Polley Lake, 9 kilometres south-southwest of Likely.

CLAIMS: BJ 1 to 27, 43, 45, 47, 49 to 60, 63 to 72, 113 to 126, 130, 132, 144, 146, 148, BOOTJACK 1 and 2 Fractions, RED 15 to 18.

OWNER: HIGHLAND CROW RESOURCES LTD., 1400, 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Copper, gold.

WORK DONE: Percussion drilling, 6 holes, totalling 533.4 metres, on BJ 7, 19, and Bootjack 2 Fraction; 33 rock samples covering BJ 7, 19, 21, 24, and Bootjack 1 and 2 Fractions.

REFERENCES: Mineral Inventory 93A-8; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 191; Assessment Reports 646, 6326, 6911.

CAB (Fig. E-1, NTS 93, No. 9)

LOCATION: Lat. 52° 35′ Long. 121° 40′ (93A/12E)
CARIBOO M.D. Seven kilometres west-southwest of Likely, northwest of Mount Polley.

CLAIMS: CAB 1 to 5.
OWNER: W. A. Howell.
OPERATOR: JMT SERVICES CORP., 8827 Hudson Street, Vancouver.
DESCRIPTION: The property is covered by overburden but it lies in the Quesnel Trough bounded by Upper Triassic to Lower Jurassic volcanic rocks and comagmatic alkalic intrusive rocks.
WORK DONE: Overburden drilling, 93 samples.
REFERENCE: Assessment Report 7698.

MOOSE, LUKIN (Fig. E-1, NTS 93, No. 8)

LOCATION: Lat. 52° 38' Long. 121° 32' (93A/12E)
CARIBOO M.D. On both sides of the south end of Poquette Lake, 3 kilometres northeast of Likely.
CLAIMS: EASY 1 to 6 (87 units).
OWNER: R. E. Mickle and Mutual Resources Ltd.
OPERATOR: MUTUAL RESOURCES LTD., 904, 1199 West Hastings Street, Vancouver V6E 3V4.
METALS: Gold, silver.
DESCRIPTION: Quartz stringers carrying low values in gold and silver associated with very minor chalcopyrite, sphalerite, galena, and arsenopyrite cut Jurassic/Triassic pyritized felsic volcanic and argillaceous sedimentary rocks.
WORK DONE: Surface diamond drilling, 4 BQ holes totalling 283 metres analysed for gold and silver, on Easy 6; linecutting, 11 500 metres; geochemical survey, 420 soil samples analysed for gold, silver, arsenic, copper, mercury, and lead, covering Easy 1, 6.
REFERENCES: Mineral Inventory 93A-127; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 192; Assessment Report 7635.

MAY, JUNE (Fig. E-1, NTS 93, No. 10)

LOCATION: Lat. 52° 40' Long. 121° 39' (93A/12E)
CARIBOO M.D. Two kilometres due east of Quesnel Forks, 3 kilometres northwest of Rosette Lake, on the north side of Lawless Creek.
CLAIMS: JUNE (20 units), MAY 1, MAY 2.
OWNER: R. E. MICKLE, 5416 Manson Avenue, Power River V8A 3P4.
DESCRIPTION: The property is underlain by pyritic rhyolite tuffs including quartz veins and agglomerate rocks. The pyritic rocks carry values in gold.
WORK DONE: Prospecting; geological mapping; geochemical survey, 80 soil samples analysed for gold and silver; and self-potential survey, 100 metres, covering all claims; trenching, 300 metres, covering May 1 and June; diamond drilling, X-ray, 9 metres, on May 1.

WIM (Fig. E-1, NTS 93, No. 12)

LOCATION: Lat. 52° 59′ Long. 121° 53′ (93A/13W)
CARIBOO M.D. Forty-three kilometres northwest of Keithley Creek, immediately north of the Sovereign River, near Eskridge Creek.

CLAIMS: WIM 1 and 2, WIM CAL 1 to 5, WIM TA 1 to 6.

OWNER: R. TRIFAUX, 308, 751 Clarke Road, Coquitlam V3J 3Y3.

WORK DONE: 1978 – geochemical survey, 26 samples analysed for fluorine, barium, mercury, copper, molybdenum, lead, zinc, nickel, cobalt, cadmium, silver, gold, tungsten, and antimony, covering Wim, Wim Ta, Wim Cal; trenching, 3 cubic metres and spot digging, 2.5 cubic metres on Wim Ta.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 182; Assessment Reports 6722, 7248.

CARIBOO–HUDSON (Fig. E-1, NTS 93, No. 14)

LOCATION: Lat. 52° 53′ Long. 121° 20′ (93A/14W)
CARIBOO M.D. Fifteen kilometres north-northeast of the town of Keithley Creek at the head of Cunningham Creek.

CLAIM: Mineral Lease M-32.

OWNER: INVEX RESOURCES LTD., 615, 744 West Hastings Street, Vancouver.

METALS: Silver, gold, tungsten, lead, zinc.

DESCRIPTION: Gold, silver, and scheelite mineralization occurs respectively, in quartz veins, lenses, and in association with the foliation of calcareous schist.

WORK DONE: Surface diamond drilling, 6 BQ holes, totalling 267 metres; trenching with backhoe, 50 metres; geochemical survey, 607 soil samples analysed for gold, silver, and tungsten and 103 rock samples, covering Mineral Lease M-32.

REFERENCES: Mineral Inventory 93A-71; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 182.

AE (Fig. E-1, NTS 93, No. 13)

LOCATION: Lat. 52° 57′ Long. 121° 01′ (93A/14E)
CARIBOO M.D. Fifty kilometres northeast of Likely, at the headwaters of Comet Creek.

CLAIM: AE (20 units).

OWNER: The Agnes & Jennie Mining Co. Ltd.

OPERATOR: A.J.M. EXPLORATIONS LTD., 203, 1209 East Fourth Street, North Vancouver V7J 1G8.

DESCRIPTION: The property is largely underlain by Cunningham limestone and Yankee Belle quartzose phyllite (Lower Cambrian). Locally the limestone is brecciated and healed by quartz stringers containing some galena.

WORK DONE: Induced polarization survey, 4.74 kilometres.

REFERENCE: Assessment Report 7772.

QUESNEL 93B

GIBRALTAR MINE (Fig. E-1, NTS 93, No. 3)

LOCATION: Lat. 52° 31' Long. 122° 17' (93B/9W, 8W)
CARIBOO M.D. Nineteen kilometres north of McLeese Lake. Mineral Leases M-58 and M-42 are 4.5 kilometres east of the north end of Cuisson Lake, and the Cole claim is 4.5 kilometres east of the south end of Cuisson Lake.

CLAIMS: AL 1 to 12, BUD 1 to 8, EV 1 to 4, 9 to 22, FI 2 and 4 Fractions, FLO 1 to 4 Fractions, GIB 15, 18, 19, and 20 Fractions, HA 5 and 6, IT 1, 3 to 6, 8, JAN 5 and 6, PAN 11 and 12, PINETREE 1 to 6, STU 1 to 6 Fractions, SUMMIT 7 and 8, VAL 1 to 12, 14, 19 to 50, HY 7, COLE 1, TIM 1, GJ 20 Fraction, HAS 2, 12 to 20, CAROL 4, 6, and 7 Fractions, FFE 13 to 17, 19, HD 5 to 8, 20, SAP 2, 3, and 5 Fractions, VE 21, 22, ZIP 1 Fraction plus several mineral leases.

OWNERS: Gibraltar Mines Limited and Cuisson Lake Mines Ltd.

OPERATOR: GIBRALTAR MINES LIMITED, Box 130, McLeese Lake.

METALS: Copper, molybdenum.

DESCRIPTION: The area is underlain by a broad contact zone formed between Permian Cache Creek Group rocks in the south and Triassic diorite plutonic rocks in the north. Pyrite, chalcopyrite, and minor molybdenite occur at depth in sheared zones within the Border phase diorite of the Granite Mountain plutonic rocks.

WORK DONE: Surface diamond drilling, 3 NQ holes, totalling 457 metres, on Cole 1; 7 NQ holes, totalling 914 metres, on mineral leases; and 6 NQ holes, totalling 914 metres, on Cole 1, Val 7, 9.

REFERENCES: Mineral Inventory 93B-3, 6, 7, 13; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 336; Assessment Reports 1641, 1680, 2425, 7387, 7438.

ANAHIM LAKE 93C

BEE, EFF, EMM (Fig. E-1, NTS 93, No. 15)

LOCATION: The claims are divided into two groups:

BEE, EFF, GEE, TEE
Lat. 52° 08' Long. 124° 25' (93C/1, 2E)
CARIBOO M.D. From 12 to 45 kilometres west of Chilanko Forks, extending from Fit Mountain westward along the Chilanko River and Puntzi Creek.

EMM
Lat. 51° 58' Long. 124° 16' (92N/16)
CARIBOO M.D. Twenty-five kilometres east-northeast of the community of Tatla Lake, covering Buckhorn Lake.

CLAIMS: BEE 1 to 35 (621 units), EFF 1 to 41 (696 units), GEE 1 to 4 (80 units), TEE 1 to 5 (74 units), EMM 1 to 4 (66 units).

OWNER: KELVIN ENERGY LIMITED, 434 Calgary House, 550 Sixth Avenue SW, Calgary, Alberta.

WORK DONE: 1978 – linecutting, 51.35 kilometres, covering parts of Emm and Bee; photo interpretation covering all claims; ground electromagnetic survey, 59.4 kilometres, and ground magnetometer survey, 44.2 kilometres, covering parts of Emm, Bee, and Eff; induced polarization survey, 9 kilometres, covering parts of Emm 2-4; surface diamond drilling, 13 NQ holes, totalling 1 076 metres, 159 samples analysed for uranium, and radiometric down-hole logging of all holes, on Bee 19, Eff 35, 36, and Emm 3, 4.

REFERENCE: Assessment Report 7267.

HP (Fig. E-1, NTS 93, No. 16)

LOCATION: Lat. 52° 24′ Long. 125° 00′ (93C/6E, 7W)
CARIBOO M.D. Ten kilometres northeast of the head of the northeast arm of Nimpo Lake, 5 kilometres north of Lilie Lake, along the north side of Holtry Creek.

CLAIMS: HP 1 to 5 (20 units each).

OWNER: LONG LAC MINERAL EXPLORATION LTD., 1680, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The major part of the claim area is covered by overburden. A few small outcrops of Late Miocene and/or Pliocene basalt and areas of basalt boulders were observed.

WORK DONE: Percussion drilling, 3 holes, totalling 313.94 metres on HP 1, 5.

WHITESAIL LAKE 93E

HAM (Fig. E-1, NTS 93, No. 82)

LOCATION: Lat. 53° 27′ Long. 127° 21′ (93E/6W)
OMINECA M.D. One hundred and thirty kilometres southwest of Burns Lake, just south of the west end of Coles Lake.

CLAIMS: HAM 1 (20 units), HAM 2 (20 units).

OWNER: SILVER STANDARD MINES LIMITED, 904, 1199 West Hastings Street, Vancouver.

DESCRIPTION: The property contains a boulder train with pyrite, molybdenite, chalcopyrite, galena, and sphalerite in alaskite, monzonite, and calcareous float rocks.

WORK DONE: 1978 – prospecting; ground scintillometer survey, 50 kilometres; and geochemical survey, 30 silt and 15 rock samples analysed for copper, molybdenum, lead, zinc, fluorine, and uranium.

REFERENCE: Assessment Report 7801.

REDBIRD (CAFB, OLD GLORY) (Fig. E-1, NTS 93, No. 18)

LOCATION: Lat. 53° 18' Long. 127° 00' (93E/6E)
SKEENA M.D. On the south side of Eutsuk Lake 6.5 kilometres east of its southwest end.

CLAIMS: CAFB 1 to 8, 13 to 24, 47 to 49, 51 to 56, 67 to 78, 80 to 82 and 107, 108, 117, 118, 120 to 122, 124, 156, 165 Fractions.

OWNER: Craigmont Mines Limited and Phelps Dodge Corporation.

OPERATOR: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Molybdenum, copper.

DESCRIPTION: Mineralization occurs as a stockwork around the margins of a Tertiary quartz monzonite stock of approximately 1.5 kilometres in diameter. The stock appears to intrude coeval intermediate to acidic volcanic rocks. Molybdenum mineralization is mostly within the intrusive rocks, but, with chalcopyrite, it extends appreciably into the intruded volcanic rocks.

WORK DONE: Surface diamond drilling, 35 holes, totalling 9 060 metres, on CAFB 1, 3, 5, 13, 15, and 124 Fraction.

REFERENCES: Mineral Inventory 93E-26; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 102; *Geol. Surv., Canada*, Mem. 299, p. 100.

WEE (Fig. E-1, NTS 93, No. 19)

LOCATION: Lat. 53° 43' Long. 127° 10' (93E/11E)
OMINECA M.D. Four kilometres north of Tahtsa Reach, surrounding the east end of Sweeney Lake.

CLAIMS: WEE 1 to 30, 32, 34, 36, 38, 40, 41, 43, 45, 47, 49, 51, 53, 57 to 74.

OWNER: HUDSON'S BAY OIL & GAS COMPANY LIMITED, 700 Second Street SW, Calgary, Alberta T2P 0X5.

METAL: Copper.

DESCRIPTION: Chalcopyrite and pyrite are unevenly distributed in open-space fillings in several shatter breccia bodies composed of angular tuff, andesite, granodiorite, and quartz monzonite. The breccias are part of a southerly dipping sequence of Hazelton Group volcanic and sedimentary rocks of Mesozoic age that have been intruded by several small weakly altered granodiorite stocks.

WORK DONE: Surface diamond drilling, 2 BQ holes, totalling 365 metres, on Wee 12 and Wee 14.

REFERENCES: Mineral Inventory 93E-86; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 196; Assessment Reports 5978, 7006, 7577.

TSAH (Fig. E-1, NTS 93, No. 20)

LOCATION: Lat. 53° 42' Long. 127° 39' (93E/12E)
OMINECA M.D. Between Nanika and Tahtsa Lakes, 3 kilometres south-southwest of Tsah Mountain.

CLAIM: TSAH (9 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Copper, molybdenum.

DESCRIPTION: Regionally the Tsah claim is underlain by Hazelton volcanic rocks of Middle Jurassic, mainly represented by augite andesites, commonly tuffaceous and usually showing well-developed propylitic alteration and very local phyllic alteration in fault zones. These rocks are intruded by granitic plugs and dykes of the Coast Plutonic Complex of Late Jurassic and later age. The best mineralization of chalcopyrite and molybdenite was found in the rocks of the Hazelton Group.

WORK DONE: Surface geological mapping, 1:2500; geochemical survey, 499 soil samples analysed for copper, lead, zinc, molybdenum and 66 samples analysed for gold, silver, copper, molybdenum; petrography, 49 thin sections plus 4 thin sections from chips; induced polarization survey, 23.5 kilometres, covering Tsah.

REFERENCES: Mineral Inventory 93E-54; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 184; Assessment Reports 2374, 7645.

RD (Fig. E-1, NTS 93, No. 21)

LOCATION: Lat. 53° 59' Long. 127° 34' (93E/13E; 93L/4E)
OMINECA M.D. Sixty-five kilometres southwest of Houston, on the east shore of Morice Lake, covering the northwest slope of Redslide Mountain.

CLAIMS: RSM 1 (20 units), RSM 2 (12 units).

OWNER: F. Onucki.

OPERATOR: BERGLYNN RESOURCES INC., 1409, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Copper, molybdenum.

DESCRIPTION: The claims are underlain to the north by Lower to Middle Jurassic volcanic and volcaniclastic rocks of the Hazelton Group, and to the south by Upper Jurassic red granitic intrusive rocks.

WORK DONE: Reconnaissance geological mapping, 1:5000; geochemical survey, 381 soil samples analysed for molybdenum, copper, silver (every tenth sample analysed for uranium); and ground magnetometer survey, 10.9 kilometres, covering RSM 1.

REFERENCES: Mineral Inventory 93E-83; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 128; Assessment Reports 4868, 5595, 7715.

POPLAR (Fig. E-1, NTS 93, No. 49)

LOCATION: Lat. 54° 01′ Long. 126° 59′ (93L/2W, 3E; 93E/15W)
Report on this property in 93L/2W, 3E.

NECHAKO RIVER 93F

PEM (Fig. E-1, NTS 93, No. 22)

LOCATION: Lat. 53° 11′ Long. 124° 51′ (93F/2W)
OMINECA M.D. One hundred and fifty kilometres southwest of Prince George on the northeast slope of Mount Davidson.

CLAIM: PEM (20 units).

OWNER: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.

DESCRIPTION: General geology of the area indicates that the property is underlain by volcanic and related rocks (Cretaceous/Tertiary) intruded by felsic rocks to the south.

WORK DONE: Ground electromagnetic survey covering Pem.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 185; Assessment Reports 6384, 7803.

NED, D (Fig. E-1, NTS 93, No. 23)

LOCATION: Lat. 53° 18′ Long. 125° 08′ (93F/6)
OMINECA M.D. Fifteen kilometres south of Natalkuz Lake, extending east-southeast from Capoose Lake to Fawnie Nose.

CLAIMS: NED (16 units), A (18 units), B (18 units), C (6 units), D (18 units), E (4 units), F (6 units), G (9 units), H (9 units), I (16 units), J (18 units), K (18 units), L (8 units), M (1 unit), N (2 units), O (4 units), P (3 units), R (12 units), S (16 units), T (12 units), NED 1 to 3 Fractions.

OWNER: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.

METALS: Copper, molybdenum, lead, zinc, gold, silver.

DESCRIPTION: Two mineralized areas were noted: minor molybdenite and chalcopyrite occurring in plutonic rocks belonging to the Capoose batholith, and sphalerite and galena with silver and gold values occurring in rhyolitic rocks belonging to Hazelton Group (?).

WORK DONE: Road construction and percussion drilling, 36 holes, totalling 1 615.4 metres, on J, Ned, K; geochemical survey, 672 soil samples analysed for molybdenum, silver, and copper, covering Ned, K, L, O, P, Ned 2, 3 Fractions; surface diamond drilling, 12 BQ holes, totalling 1 787 metres, on E, Ned 2, 3 Fractions.

REFERENCES: Mineral Inventory 93F-39, 40; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 198, E 199; Assessment Reports 6868, 6869, 6870, 6988, 7226, 7504.

CHU (Fig. E-1, NTS 93, No. 24)

LOCATION: Lat. 53° 22′ Long. 124° 36′ (93F/7E)
OMINECA M.D. Eighty kilometres south-southwest of Vanderhoof, approximately 7 kilometres west of Chutanli Lake.

CLAIMS: CHU 25 to 36, 41 to 52, AKO 1 (4 units), NECH (4 units), NECH 1 (8 units), NECH 2 (3 units).

OWNER: Asarco Exploration Company of Canada, Limited.

OPERATOR: ARMCO MINERAL EXPLORATION LTD., 1780, 1055 West Hastings Street, Vancouver V6E 2E9.

METAL: Molybdenum.

DESCRIPTION: Disseminated molybdenite occurs in siliceous hornfelsed Hazelton Group sedimentary rocks near the contact of a granodiorite of probable Coast Intrusion affinity.

WORK DONE: Road construction, 1 830 metres, covering Nech 1, Nech, and Chu 35.

REFERENCES: Mineral Inventory 93F-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 111; Assessment Reports 2535, 2673, 2674, 3050.

BIN (Fig. E-1, NTS 93, No. 25)

LOCATION: Lat. 53° 52′ Long. 125° 32′ (93F/13E)
OMINECA M.D. Extending from Binta Lake to Getzuni Lake.

CLAIMS: BIN 3 to 8 (77 units).

OWNER: J. C. Stephen.

OPERATOR: DOME EXPLORATION (CANADA) LIMITED, c/o 1124 West 15th Street, North Vancouver V7P 1M9.

DESCRIPTION: Felsic tuffs and rhyolites underlie an area indicated as anomalous for uranium by silt sampling.

WORK DONE: Overburden drilling, 31 holes, on Bin 4, 6, 8.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 201; Assessment Reports 6834, 7524.

SWAB (Fig. E-1, NTS 93, No. 27)

LOCATION: Lat. 53° 51′ Long. 124° 50′ (93F/15W)
OMINECA M.D. Five kilometres northwest of Hallett Lake.

CLAIMS: SWAB 1 to 4 (20 units each).

OWNER: J. C. Stephen.

OPERATOR: DOME EXPLORATION (CANADA) LIMITED, c/o 1124 West 15th Street, North Vancouver V7P 1M9.

DESCRIPTION: Geochemical anomalies are associated with quartz monzonite (alaskite) rocks intruding older volcanic rocks and diorite.

WORK DONE: Picket line grid, 3.8 kilometres; topographical survey, 1:1000; boulder mapping, 1:1000; and deep soil sampling, 47 percussion holes, on Swab 2 and 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 202, E 203; Assessment Reports 6832, 7241, 7484.

GREER (Fig. E-1, NTS 93, No. 26)

LOCATION: Lat. 53° 50′ Long. 124° 34′ (93F/15E)
OMINECA M.D. Approximately 28 kilometres south of Fort Fraser on the west slopes of Mount Greer and immediately east of Nechako River.

CLAIMS: GREER 1 (5 units), GREER 2 to 4 (20 units each).

OWNER: J. C. Stephen.

OPERATOR: DOME EXPLORATION (CANADA) LIMITED, c/o 1124 West 15th Street, North Vancouver V7P 1M9.

DESCRIPTION: Volcanic rocks of possible Triassic age are intruded by Topley diorite to granodiorite. The paleosurface is unconformably overlain by Tertiary tuffs and breccias.

WORK DONE: 1978–1979 – surface geological mapping, 1:5000; reconnaissance ground scintillometer survey; and geochemical survey, 247 soil, 52 silt, and 6 rock samples analysed for uranium, molybdenum, and copper, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 204, E 205; Assessment Reports 6685, 7120, 7430.

PRINCE GEORGE 93G

HIXON CREEK (Fig. E-1, NTS 93, No. 81)

LOCATION: Lat. 53° 26′ Long. 122° 31′ (93G/7E)
CARIBOO M.D. Fifty-five kilometres south-southeast of Prince George at Little Hixon and Colgrove Creeks.

CLAIMS: HIXON QUARTZ 1 to 6 (6 units), HQ (4 units), HQ 2 (20 units), HQ 3 (6 units).

OWNER: ESPERANZA EXPLORATIONS LTD., 1027, 470 Granville Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Auriferous pyrite, arsenopyrite, pyrrhotite and minor galena, sphalerite, and chalcopyrite occur in quartz carbonate veins within altered greenstones. The property was a minor lode gold producer in the late 1930's.

WORK DONE: Eleven samples analysed for gold and silver, covering all claims.

REFERENCES: Mineral Inventory 93G-15; *Minister of Mines, B.C.*, Ann. Rept., 1935, pp. C 19, C 20; 1934, pp. C 19, C 20; *Geol. Surv., Canada*, Mem. 188, pp. 101-104; Assessment Reports 3484, 7787.

GOOD DAY (Fig. E-1, NTS 93, No. 28)

LOCATION: Lat. 53° 28' Long. 122° 33' (93G/7E)
CARIBOO M.D. Fifty-five kilometres south of Prince George, east of Hixon, at Government Creek.

CLAIMS: GOOD DAY (Lot 7220), ROBERTSON (Lot 7721).

OWNER: I. G. SUTHERLAND, 102, 2119 West 42nd Avenue, Vancouver.

DESCRIPTION: The claims are underlain by argillite, limy schist, conglomerate, and sandstone rocks.

WORK DONE: Prospecting on Good Day and Robertson.

REFERENCE: Assessment Report 7784.

GREG (Fig. E-1, NTS 93, No. 29)

LOCATION: Lat. 53° 27' Long. 122° 29' (93G/8W)
CARIBOO M.D. Fifty-five kilometres south-southeast of Prince George, on Hixon Creek, approximately 5 kilometres east of the junction of Government and Hixon Creeks.

CLAIM: GREG 1 (2 units).

OWNER: S. BUTTE, Box 438, Hixon V0K 1S0.

WORK DONE: Prospecting; trenching, 7 trenches, 100 metres total length, on Greg 1.

BURN (Fig. E-1, NTS 93, No. 30)

LOCATION: Lat. 53° 54' Long. 122° 30' (93G/15E, 16W)
CARIBOO M.D. Twelve kilometres east of Prince George on the southeast side of Tabor Lake.

CLAIMS: CLAIRE (8 units), SANDY (16 units), MATT (16 units), MILT (20 units), LAWRENCE (20 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

METALS: Tungsten, molybdenum, (copper, bismuth, zinc).

DESCRIPTION: Scheelite and molybdenite occur in quartz-sericite-filled joints in metamorphosed argillites and greywackes. Minor diorite intrusions occur but are not mineralized.

WORK DONE: Surface diamond drilling, 2 NQ and BQ holes, totalling 680 metres, on Milt.

REFERENCES: Mineral Inventory 93G-24; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 207; Assessment Report 6876.

VAMA (Fig. E-1, NTS 93, No. 31)

LOCATION: Lat. 53° 52′ Long. 122° 28′ (93G/16E)
CARIBOO M.D. Forty kilometres east of Prince George, east of Wansa Creek and south of Vama Vama Creek.

CLAIMS: VAMA 1 (16 units), VAMA 2 (20 units), VAMA 3 (18 units), VAMA 4 (6 units), VAMA 5 (18 units), VAMA 6 (18 units).

OWNER: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The Vama area is underlain by graphitic sedimentary rocks to a large extent.

WORK DONE: 1978 – surface geological mapping, 1:2500; geochemical survey, 1 811 soil samples analysed for copper, lead, and zinc; ground electromagnetic survey; ground magnetometer survey, covering all claims; 1979 – surface diamond drilling, 5 BQ holes, totalling 300 metres, on Vama 1-3.

REFERENCE: Assessment Report 7320.

McBRIDE 93H

GOLD, AU (Fig. E-1, NTS 93, No. 34)

LOCATION: Lat. 53° 04′ Long. 121° 33′ (93H/4E)
CARIBOO M.D. About 2 kilometres west of Barkerville, between Barkerville and Richfield Mountains.

CLAIMS: GOLD 1 to 8, AU 1 to 8.

OWNER: J. ST. MARS, 670 Mont Royal Boulevard, North Vancouver V6B 1L5.

WORK DONE: VLF–EM survey, approximately 10 kilometres, covering Gold 1-4 and AU 1-8.

REFERENCE: Assessment Report 7173.

MOSQUITO (Fig. E-1, NTS 93, No. 33)

LOCATION: Lat. 53° 07′ Long. 121° 36′ (93H/4E)
CARIBOO M.D. Approximately 1.5 kilometres downstream along the south side of Willow River from Wells.

CLAIMS: Twenty-nine Crown-granted claims including MOSQUITO (Lot 10355), VANCOUVER (Lot 10356), PORT HOPE (Lot 10357), SEATTLE (Lot 10358), RED GULCH 1 to 7 (Lots 10360 to 10366), plus two placer leases.

OWNER: THE MOSQUITO CREEK GOLD MINING COMPANY LIMITED, Box 6808, Calgary, Alberta T2P 2E7.

METALS: Gold, silver.

DESCRIPTION: Gold production has been derived from two distinctive rock types. The Rainbow bed is composed of dark quartzites, argillites, and some phyllites in which tension fractures have developed normal to the bedding. These fractures have in turn been filled with gold-bearing quartz and pyrite. The Baker member is composed of light fine-grained calcareous quartzites, talcose rocks, and interbedded limestones. The limestones have been replaced by gold-bearing sulphides.

WORK DONE: Drifting, 314 and 298 metres; crosscutting, 487 metres; raising, 135 metres; stoding, 99 metres; underground diamond drilling, 21 AQ holes totalling 615 metres; underground surveying and mapping, covering Port Hope, Mosquito Fraction, and Vancouver.

REFERENCES: Mineral Inventory 93H-10; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 135.

DAVIS CREEK **(Fig. E-1, NTS 93, No. 32)**

LOCATION: Lat. 53° 04′ Long. 121° 43′ (93H/4E)
CARIBOO M.D. Approximately 2 kilometres north-northwest of the village of Van Winkle (Stanley) on the southeast slope of Mount Nelson.

CLAIMS: ACME 1 (Lot 1665), STAR FR., STAR 3, THREE STAR 2, THREE STAR 1, WIKING 1 to 3, WONDER (Lots 1667 to 1674), THREE STAR 4 (Lot 1677), ACME FR. (Lot 1678), WONDER 1 (Lot 1680), OSLO 1 FR. (Lot 1688), ACME (Lot 7723), (14 reverted Crown-granted claims and fractions reorganized as 9 units, record numbers 524 to 532).

OWNER: D. KING, Box 904, Vernon.

DESCRIPTION: The property is underlain by Precambrian quartzites, limestone, and phyllites of the Richfield Formation, Cariboo Series. The rocks are highly deformed and silicified and quartz veins frequently carry sulphide mineralization.

WORK DONE: Geochemical survey, 50 soil samples, covering Three Star 2—Star Fraction, Star 3, and Three Star 1.

REFERENCES: Assessment Reports 5554, 6668, 7734.

WINGDAM **(Fig. E-1, NTS 93, No. 35)**

LOCATION: Lat. 53° 03′ Long. 121° 58′ (93H/4W)
CARIBOO M.D. Thirty kilometres west of Barkerville, northeast of the settlement of Wingdam, on Lightning Creek.

CLAIMS: WINGDAM 1 to 4 (80 units).

OPERATOR: TANACANA MINES LTD., c/o 50 Granville Square, 200 Granville Street, Vancouver V6C 1S4.

DESCRIPTION: Few outcrops on the property consist of sericite schist and quartzite. Two intersecting fault zones are inferred from geophysical surveys and aerial photographs.

WORK DONE: 1978 and 1979 – road construction, 4.4 kilometres and clearing access trails, 2 500 metres, on Wingdam 3; limited geological mapping and seismic surveying and ground electromagnetic survey, 5 kilometres, covering Wingdam 1, 2, and 4.

DOUG (Fig. E-1, NTS 93, No. 36)

LOCATION: Lat. 53° 39' Long. 121° 15' (93H/11)
CARIBOO M.D. Twenty kilometres southwest of the community of Dome Creek, on the eastern side of Everett Creek, 15 kilometres southeast of Tumuch Lake.

CLAIMS: DOUG (4 units), DOUG 2 (15 units), DOUG 3 (8 units), DOUG 4 (12 units), DOUG 5 (6 units), DOUG 6 (10 units).

OWNER: B. E. Bried and G. F. Bried.

OPERATOR: G. F. BRIED, 2135 Westsyde Road, Kamloops V2B 7C3.

METAL: Copper.

DESCRIPTION: Mineralization occurs in quartz ankerite veins in the Lower Cambrian limestone. The principal mineral is copper in the form of chalcopyrite and malachite.

WORK DONE: Trenching, 3 trenches, 38 metres, on Doug 1 to 4; road building, 3 kilometres, on Doug 4.

REFERENCES: Mineral Inventory 93H-39; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 209; Assessment Report 6938.

McLEOD LAKE 93J

GISCOME (Fig. E-1, NTS 93, No. 37)

LOCATION: Lat. 54° 04' Long. 122° 18' (93J/1W)
CARIBOO M.D. Four kilometres east-southeast of Giscome, on the south side of Eaglet Lake.

CLAIMS: EAGLE 1 (12 units), EAGLE 2 (10 units), EAGLE 3 (12 units), EAGLE 4 (8 units), EAGLE 5 (16 units), EAGLE 6 (8 units), EAGLE 7 (6 units), EAGLE 8 (16 units), EAGLE 9 (4 units).

OWNER: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

METALS: Zinc, lead.

DESCRIPTION: The claims are underlain by graphitic sedimentary rocks to a large extent.

WORK DONE: 1978 – surface geological mapping, 1:100 000 and 1:2500; linecutting, 74.7 kilometres; geochemical survey, 1 465 samples analysed for copper, lead, and zinc; ground electromagnetic survey; ground magnetometer survey.

REFERENCES: Mineral Inventory 93J-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 187; Assessment Reports 636, 3043, 4907, 4938, 5515, 6357, 7388.

NORTH BEND (Fig. E-1, NTS 93, No. 38)

LOCATION: Lat. 54° 15.5′ Long. 122° 22′ (93J/8W)
CARIBOO M.D. Fifty kilometres north-northeast of Prince George, immediately north of the Fraser River, at Giscome Canyon.

CLAIMS: AVANBA (Lot 9602), NORTH POINT (Lot 9373), NORTH BEND (Lot 9949), YANKEE GIRL (Lot 9374), YANKEE BOY (Lot 9371), YANKEE BOY FR. (Lot 9950), ALICE (Lot 9939), MT. EDEN 1 to 3 (Lots 9944 to 9946), RIDERS (Lot 9940), INDEPENDENCE (Lot 9951), PORTLAND (Lot 9941), STANDARD (9948), TURNBULL 2 (Lot 9943), GRANITE (Lot 8741), GOLD COIN (Lot 9947), NORTH BEND, NB 2 and 3.

OWNERS: C. F. Graham, W. T. Chase, and P. R. Willson.

OPERATOR: YMIR VENTURE, 4882 Delta Street, Delta V4K 2T8.

METALS: Tungsten, lead, zinc, gold, silver.

DESCRIPTION: The claims are underlain by granitoid gneiss, schists, and small bodies of granodiorite rocks of the Wolverine Complex, Cariboo Group.

WORK DONE: Geochemical survey, 109 soil and 4 rock samples analysed for tungsten, lead, silver, gold, covering all claims except Avanba, NB, and Portland.

REFERENCES: Mineral Inventory 93J-2; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 163; Assessment Report 7717.

FORT FRASER 93K

MOLY (Fig. E-1, NTS 93, No. 39)

LOCATION: Lat. 54° 04′ Long. 125° 10′ (93K/3E)
OMINECA M.D. Four kilometres southerly from Savory on the Canadian National Railway line.

CLAIMS: LILY (8 units), DAISY (8 units), LILY Fraction (formerly MOLY claim).

OWNER: G. P. Huck.

OPERATOR: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.

METAL: Molybdenum.

DESCRIPTION: The property overlies Endako quartz monzonite.

WORK DONE: Road construction, 2 800 metres; percussion drilling, 13 holes, totalling 792.48 metres, on all claims.

REFERENCES: Mineral Inventory 93K-83; Assessment Reports 6995, 7225.

AX (Fig. E-1, NTS 93, No. 40)

LOCATION: Lat. 54° 05′ Long. 125° 10′ (93K/3E)
OMINECA M.D. Six kilometres west of Endako, just south and southwest of Savory Lake.

CLAIMS: AX 1 (8 units), AX 2 (12 units), JILL 1 (8 units), JEN 1 (12 units), SNOW 1 (4 units), AX 3 to 6 (1 unit each).

OWNERS: G. Oates and D. Ivens.

OPERATOR: RIO PLATA SILVER MINES LTD., 1014, 475 Howe Street, Vancouver V6C 2B3.

DESCRIPTION: Most of the AX group is underlain by the Endako phase of the Topley intrusive rocks. Much of the property is heavily covered with overburden. The claims have several showings consisting of highly fractured and altered Endako quartz monzonite with knots, clusters, and fracture fillings of molybdenite.

WORK DONE: Linecutting, 37 kilometres; geochemical survey, 650 soil samples analysed for molybdenum, copper, and fluorine; air photography, 130 square kilometres; and topographic mapping, 1:10 000, covering all claims; percussion drilling, 14 holes totalling 670 metres, on Jen 1, AX 2, Jill 1; geochemical survey, 107 soil samples analysed for molybdenum, covering AX 1, Jill 1; surface diamond drilling, 4 holes totalling 670 metres, on AX 2, AX 3, Jill 1.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1964, p. 62; Assessment Reports 555 (AX, BX), 7738.

RAIN (Fig. E-1, NTS 93, No. 75)

LOCATION: Lat. 54° 03′ Long. 125° 17′ (93K/3W)
OMINECA M.D. Twenty-six kilometres west of the west end of Fraser Lake between the headwaters of Sam Ross Creek and Haney Lake.

CLAIMS: RAIN 2 (12 units), RAIN 3 (15 units).

OWNER: PLACER DEVELOPMENT LIMITED, Endako Mines Division, Endako V0J 1L0.

DESCRIPTION: Boer diorite, Caledonia quartz monzonite, Endako quartz monzonite, and Francois granite of the Francois Lake intrusion are overlain by younger basaltic and rhyolitic flow rocks of the Ootsa Lake Group. Minor molybdenite occurs in the intrusive rocks.

WORK DONE: 1978 – ground scintillometer survey and sampling, 361 soil samples, covering both claims.

REFERENCE: Assessment Report 7516.

MONA (Fig. E-1, NTS 93, No. 41)

LOCATION: Lat. 54° 06′ Long. 125° 44′ (93K/4E) OMINECA M.D. Thirteen kilometres south of Burns Lake, immediately west of Tchesinkut Lake.

CLAIM: RED BARON (12 units).

OWNER: HILLSIDE ENERGY CORPORATION, 503, 134 Abbott Street, Vancouver V6B 2K4.

METALS: Lead, zinc, copper.

DESCRIPTION: Galena, sphalerite, and chalcopyrite occur in siliceous veins cutting massive andesitic volcanic rocks. The andesites are locally mineralized with disseminated pyrite.

WORK DONE: Surface diamond drilling, 3 holes, totalling 117 metres, on Red Baron.

REFERENCES: Mineral Inventory 93K-32; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 213, E 214; Assessment Report 7150.

GOLDEN GLORY, MO (Fig. E-1, NTS 93, No. 42)

LOCATION: Lat. 54° 17′ Long. 125° 52′ (93K/5W) OMINECA M.D. Ten kilometres northwest of Burns Lake, southwest of Decker Lake, straddling Gerow Creek.

CLAIMS: DECK 1 (9 units), DECK 2 to 9, DECK 10 (6 units).

OWNERS: Commonwealth Minerals Ltd. and G. H. Rayner & Associates Ltd.

OPERATOR: COMMONWEALTH MINERALS LTD., 706, 675 West Hastings Street, Vancouver.

METALS: Copper, silver, lead, zinc.

DESCRIPTION: The claim area is underlain by Early to Middle Mesozoic felsic and intermediate volcanic flow and pyroclastic rocks.

WORK DONE: Electromagnetic survey, 3.5 kilometres, covering Deck 1.

REFERENCES: Mineral Inventory 93K-30, 31; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 214; Assessment Reports 6917, 7114.

NOBLE (Fig. E-1, NTS 93, No. 43)

LOCATION: Lat. 54° 16′ Long. 124° 15′ (93K/8) OMINECA M.D. Nineteen kilometres southerly from Fort St. James, near the road and between Dog Creek and Tsah Creek.

CLAIMS: NOBLE A (5 units), NOBLE B (6 units), NOBLE C (3 units), NOBLE D (6 units).

OWNER: A. G. WILSON, 9352 – 101A Avenue, Edmonton, Alberta T5H 0C3.

METAL: Copper.

DESCRIPTION: On Noble D claim (unit 2), a trench 87 metres in length has exposed a quartz vein of good size embedded within a fault, cutting carbonatized peridotite. The vein, which is 5 metres in width, contains chalcocite and limonite.

WORK DONE: Trenching, 8 trenches, totalling 520 metres; geochemical survey, 36 samples analysed for copper, gold, and silver, covering all claims.

REFERENCE: Mineral Inventory 93K-90; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 215.

SMITHERS 93L

SAM GOOSLY (Fig. E-1, NTS 93, No. 44)

LOCATION: Lat. 54° 11′ Long. 126° 15′ (93L/1E)
OMINECA M.D. Forty kilometres southeast of Houston, 6.5 kilometres east of Goosly Lake.

CLAIMS: T, SG, XL.

OWNER: Equity Mining Corporation.

OPERATOR: PLACER DEVELOPMENT LIMITED, 700, 1030 West Georgia Street, Vancouver V6E 3A8.

METALS: Silver, gold, copper, antimony.

DESCRIPTION: All of the holes were drilled within the proposed tailing impoundment basin. The aim of the program was to ensure that the overburden-covered basin did not overlie an area with open-pit potential.

WORK DONE: Surface diamond drilling, 6 NQ holes, totalling 907 metres, on T-102, T-103, T-104, SG-1.

REFERENCES: Mineral Inventory 93L-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 215, E 216; Assessment Reports 6985, 7166.

SILVER QUEEN (NADINA) (Fig. E-1, NTS 93, No. 46)

LOCATION: Lat. 54° 04′ Long. 126° 44′ (93L/2E)
OMINECA M.D. Thirty-six kilometres south of Houston, on the east side of Owen Lake.

CLAIMS: TIP TOP 1, COLE 1, SILVER 1 to 7, NAD 8, plus 17 Crown-granted claims, Lots 7399 to 7404, 7540 to 7545, and 6547 to 6551.

OWNER: NEW NADINA EXPLORATIONS LIMITED, 617, 789 West Pender Street, Vancouver.

METALS: Silver, gold, lead, zinc, copper.

WORK DONE: 1978 – diamond drilling, 2 BQ holes totalling 92.7 metres (3 samples analysed for copper, lead, zinc, gold, and silver) on Lot 7399.

REFERENCES: Mineral Inventory 93L-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 190; Assessment Reports 6456, 7343.

IRK (Fig. E-1, NTS 93, No. 45)

LOCATION: Lat. 54° 12′ Long. 126° 38′ (93L/2E)
OMINECA M.D. Twenty-four kilometres south of Houston, 4 kilometres north of Parrott Lakes, on the east side of Parrott Creek.

CLAIMS: IRK I to X (44 units).

OWNER: ASARCO EXPLORATION COMPANY OF CANADA, LIMITED, 504, 535 Thurlow Street, Vancouver V6E 3L2.

DESCRIPTION: Extensive overburden is believed to be underlain by Tip Top Hill volcanic rocks of Cretaceous age. These rocks consist mainly of dark grey to red crystal lithic tuff, lapilli tuff, volcanic breccia, and lahars. Peripherally Buck Creek volcanic rocks of Eocene age have been mapped. These rocks include vesicular basalts, andesite, and dacite with some related pyroclastic rocks. Sparse sulphide mineralization includes pyrite and chalcopyrite as disseminated grains in the Tip Top Hill volcanic rocks.

WORK DONE: Prospecting; surface geological mapping; geochemical survey, 610 soil and 18 rock samples analysed for copper, lead, zinc, and silver; percussion drilling, 7 holes, 458.8 metres and 144 sampled cuttings analysed for copper, lead, zinc, and silver, covering Irk VII-X; induced polarization survey, 3.2 kilometres, covering Irk VII, IX, and X; road building, 100 metres, on Irk VII, X.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 216; Assessment Reports 2427, 3766, 4190, 6477, 7072, 7381.

NETTIE (Fig. E-1, NTS 93, No. 48)

LOCATION: Lat. 54° 01′ Long. 126° 47′ (93L/2W)
OMINECA M.D. Forty-five kilometres south of Houston, at the east and south end of Duck Lake.

CLAIMS: NETTIE 1 and 2 (12 units each).

OWNER: ARTILLERY RESOURCES LTD., 1028, 510 West Hastings Street, Vancouver.

DESCRIPTION: Drill core consists of biotite feldspar porphyry of dacite composition, magnetic, with weakly pervasive sericite alteration and fracture carbonate.

WORK DONE: Surface diamond drilling, 7 BQ holes, totalling 258.8 metres, on Nettie 1.

REFERENCE: Assessment Report 7709.

RED (Fig. E-1, NTS 93, No. 47)

LOCATION: Lat. 54° 10′ Long. 126° 57′ (93L/2W)
OMINECA M.D. Thirty-three kilometres southwest of Houston, on Code Creek about 3 kilometres south of Morice River.

CLAIMS: RED (16 units), RED 2 (9 units).

OWNER: Vital Mines Ltd.

OPERATOR: MATTAGAMI LAKE MINES LIMITED, 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

DESCRIPTION: The property is underlain by Mesozoic and Tertiary volcanic rocks. No mineralization was found.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 233 soil samples analysed for zinc, copper, lead, and silver; till sampling, 15 holes, 130 samples; electromagnetic survey, 21.6 kilometres; magnetometer survey, 10 kilometres; air photo interpretation, 1:50 000.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 216, E 217; Assessment Report 7014.

POPLAR (Fig. E-1, NTS 93, No. 49)

LOCATION: Lat. 54° 01′ Long. 126° 59′ (93L/2W, 3E; 93E/15W)
OMINECA M.D. Forty-eight kilometres south-southwest of Houston, on the north side of Tagetochlain (Poplar) Lake.

CLAIMS: POPLAR 1 to 20, 33, 35, 37, 48 to 97, POPLAR 1 and 2 Fractions, DON 1 to 15, 26 to 36, 45 to 54, PINE 1 to 22, LAKE 1 to 36, DAVE 1, 2, 4, and 5 Fractions, TAG 1 to 16, 23 to 42, 195 to 212, TAG 1 and 2 Fractions, HILL 15 to 18, WAR 1 (4 units).

OWNER: The National Trust Company, Limited.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

DESCRIPTION: An Upper Cretaceous biotite porphyry plug intrudes Lower and Upper Cretaceous sedimentary rocks. Well-developed hydrothermal alteration facies are concentric to the biotite porphyry and include potassic, phyllic, argillic, and propylitic zones. Abundant disseminated and fracture-controlled pyrite surrounds an inner zone of pyrite, minor chalcopyrite, and molybdenite in closely spaced fractures and as fine disseminations.

WORK DONE: Surface diamond drilling, 3 NQ holes, 746 metres, on Poplar 13.

REFERENCES: Mineral Inventory 93L-239; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 191.

FRY (Fig. E-1, NTS 93, No. 50)

LOCATION: Lat. 54° 12′ Long. 127° 03′ (93L/3E)
OMINECA M.D. Approximately 2.5 kilometres south of the confluence of Lamprey Creek and Morice River.

CLAIMS: FRY (20 units), PAN (16 units).

OWNER: AQUITAINE COMPANY OF CANADA LTD., 540 Fifth Avenue SW, Calgary, Alberta.
METAL: Copper.
DESCRIPTION: The claim area is underlain by Jurassic Hazelton Group of pyroclastic and basaltic flow rocks.
WORK DONE: 1978 and 1979 – surface diamond drilling, 183 metres, on Fry; ground magnetometer survey, covering both claims.
REFERENCES: Mineral Inventory 93L-5; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 217, 218; Assessment Report 7646.

RD (Fig. E-1, NTS 93, No. 21)

LOCATION: Lat. 53° 59′ Long. 127° 34′ (93E/13E; 93L/4E)

Report on this property in 93E/13E.

CUP (Fig. E-1, NTS 93, No. 51)

LOCATION: Lat. 54° 27′ Long. 126° 39′ (93L/7E)
OMINECA M.D. Seven kilometres north of Houston on Mount Harry Davis.
CLAIM: HILLTOP (4 units).
OWNER: W. MOLL, Box 144, Houston V0J 1Z0.
METALS: Copper, lead, zinc.
DESCRIPTION: Sphalerite, galena, pyrite, and chalcopyrite occur in acidic fragmental and flow rocks of the Hazelton Group.
WORK DONE: Trenching and stripping of approximately 20 to 30 metres on Hilltop.
REFERENCES: Mineral Inventory 93L-203, *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 194.

SIL (Fig. E-1, NTS 93, No. 52)

LOCATION: Lat. 54° 17′ Long. 126° 45′ (93L/7)
OMINECA M.D. Fifteen kilometres south southwest of Houston on the headwater of Peacock Creek east of Mount Morice.
CLAIMS: BOB (6 units), GLEN (5 units), SIL (9 units).
OWNERS: R. W. HAMBLIN, Box 343, Houston and C. E. LUND, Box 51, Houston.
METALS: (Copper, gold).
DESCRIPTION: The claim area is underlain by dacitic and andesitic volcanic rock flows of Lower Jurassic Telkwa Formation.
WORK DONE: Geochemical survey, 16 stream sediment, 16 water, 16 rock chip, and 135 soil samples analysed for copper and silver, covering Sil and Glen.
REFERENCE: Assessment Report 7134.

TOPLEY RICHFIELD (Fig. E-1, NTS 93, No. 53)

LOCATION: Lat. 54° 35′ Long. 126° 16′ (93L/9)
OMINECA M.D. Eleven kilometres north of Topley on the west side of Tachek Mountain.

CLAIMS: RICHFIELD 1 to 5 (77 units), CDF 1 to 4.

OWNER: F. B. Whiting.

OPERATOR: COBRE EXPLORATION LIMITED, 254 East 14th Street, North Vancouver.

METALS: Gold, silver, zinc, (lead, copper).

DESCRIPTION: Mineralization of gold, silver, and zinc, in places with lead and copper, occurs either as veins of quartz-carbonate with gold, silver, sphalerite, galena, pyrite, chalcopyrite, or a quartz-ankerite breccia with traces of sulphides and rich gold-silver.

WORK DONE: Linecutting, 34.3 kilometres; electromagnetic surveys, 17.4 kilometres (VLF) and 20.7 kilometres (pulse); and magnetometer survey, 9 kilometres, covering Richfield 1, 2 and CDF 1-4.

REFERENCES: Mineral Inventory 93L-18; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 140; Geology in B.C., 1975, p. G 65; *Minister of Mines, B.C.*, Ann. Rept., 1956, p. 28; Assessment Reports 5438, 5553, 5707, 7817.

DEEP CREEK, DEL SANTO (Fig. E-1, NTS 93, No. 54)

LOCATION: Lat. 54° 40′ Long. 126° 42′ (93L/10E)
OMINECA M.D. Twenty-eight kilometres north of Houston, on the north side of Deep Creek.

CLAIMS: DEL SANTO 1 to 6, DELSAUNTO 7 to 10.

OWNERS: M. CHAPMAN and F. D. MADIGAN, Box 852, Smithers and PETRA GEM EXPLORATIONS LTD., 200, 3540 West 41st Avenue, Vancouver.

METALS: Copper, (zinc, lead).

DESCRIPTION: The claims are underlain by Hazelton Group rocks.

WORK DONE: 1978 – surface geological mapping, 1:2500; magnetometer ground survey, 2.4 kilometres; ground electromagnetic survey, test, covering Del Santo 1-6.

REFERENCES: Mineral Inventory 93L-25; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 150; Assessment Reports 2238, 7286.

LOU (Fig. E-1, NTS 93, No. 56)

LOCATION: Lat. 54° 51′ Long. 127° 41′ (93L/13E)
OMINECA M.D. Thirty-four kilometres west of Smithers, surrounding Louise Lake and extending westward.

CLAIMS: ROB 1 to 4 (61 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Molybdenum, copper.

DESCRIPTION: The mineralization has been described as a stockwork of quartz-pyrite veinlets containing minor amounts of molybdenum. Field work resulted in five locations of anomalous values of copper or molybdenum being delineated.

WORK DONE: Surface geological mapping and geochemical survey, 350 soil and stream sediment samples analysed for copper and molybdenum, covering all claims; induced polarization survey, 3.6 kilometres on Rob 3.

REFERENCES: Mineral Inventory 93L-79; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 197.

KING TUT (Fig. E-1, NTS 93, No. 57)

LOCATION: Lat. 54° 46′ Long. 127° 21′ (93L/14W)
OMINECA M.D. Approximately 21 kilometres west-northwest of Telkwa, 2.5 kilometres northeast of Aldrich Lake.

CLAIMS: SPRUCE 1, SPRUCE 2, SPRUCE 3.

OWNER: K. COSWAN, Box 3277, Smithers V0J 2N0.

METALS: Gold, silver, lead, zinc.

WORK DONE: Trail work (slashing), 350 metres, on Spruce 1.

REFERENCES: Mineral Inventory 93L-87; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 220, E 221.

GLACIER GULCH (YORKE–HARDY) (Fig. E-1, NTS 93, No. 76)

LOCATION: Lat. 54° 49′ Long. 127° 18′ (93L/14W)
OMINECA M.D. Eight kilometres west of Smithers, covering Glacier Gulch on Hudson Bay Mountain.

CLAIMS: Mineral leases M-81 to M-85, and located claims JAY, D, F, H, K, M, R, T, Y.

OWNER: CLIMAX MOLYBDENUM CORPORATION OF BRITISH COLUMBIA, LIMITED, Box 696, Smithers V0J 2N0.

METALS: Molybdenum, (tungsten, copper).

DESCRIPTION: Diamond drilling intersected mainly grey, porphyritic granodiorite including some volcanic rock blocks and lamprophyre dykes. Pyrite, magnetite, chalcopyrite, scheelite, and molybdenite occur in quartz vein stockwork.

WORK DONE: Surface diamond drilling, 4 HQ holes, totalling 527 metres, and underground diamond drilling, 14 NQ holes, totalling 1 884 metres, on mineral leases M-81-83, M-85.

REFERENCES: Mineral Inventory 93L-107 to 110; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 149; 1977, p. E 197; Assessment Reports 1730, 2245, 4756, 4871, 5041, 5928, 6480, 7565, 7780.

DOME MOUNTAIN (Fig. E-1, NTS 93, No. 55)

LOCATION: Lat. 54° 44′ Long. 126° 38′ (93L/15E, 10E)
OMINECA M.D. The No. 6 claim is centred at about 1 524 metres elevation on the south slope of Dome Mountain, approximately 32 kilometres east of Smithers. The Whistler claim lies 2 kilometres to the north and the No. 2 claim lies 1 kilometre to the east.

CLAIMS: NO. 6 (Lot 2905), WHISTLER (Lot 2982), NO. 2 (Lot 2909).

OWNERS: W. F. McGOWAN and A. L'ORSA, Box 341, Smithers.

METALS: Gold, (copper, lead, zinc, bismuth).

DESCRIPTION: Gold mineralization associated with pyrite, chalcopyrite, galena, sphalerite, arsenopyrite, and specularite occurs in quartz-carbonate veins in pyroclastic rocks of the Telkwa Formation (Hazelton Group).

WORK DONE: Prospecting and surface geological mapping, 1:2500, covering all claims.

REFERENCES: Mineral Inventory 93L-22; *Minister of Mines, B.C.*, Ann. Rept., 1918, pp. 122-124; 1922, pp. 100-104; 1923, pp. 111-113; 1924, p. 96; Assessment Report 7633.

HAZELTON 93M

VICTORIA (Fig. E-1, NTS 93, No. 59)

LOCATION: Lat. 55° 10′ Long. 127° 39′ (93M/4E)
OMINECA M.D. Eight kilometres south-southeast of Hazelton.

CLAIMS: Ten Crown-granted claims, including VICTORIA (Lot 3303) and KING (20 units).

OWNER: ARBOR RESOURCES INC., Box 10068, Pacific Centre, 700 West Georgia Street, Vancouver V7Y 1C3.

METALS: Gold, cobalt, molybdenum.

DESCRIPTION: A series of westerly striking veins cut granodiorite of the Rocher Deboule stock. Work was confined to the No. 1 vein on the Victoria claim. In this vein, cobalt-nickel-iron sulpharsenides containing gold are found in streaks and lenses within a gangue which is primarily actinolite.

WORK DONE: Road construction, 600 metres, covering Monoplane; re-opening of No. 0 portal, on Victoria; prospecting and 26 soil samples analysed for copper and cobalt, covering King.

REFERENCES: Mineral Inventory 93M-72; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 223; Assessment Report 7779.

CAP (Fig. E-1, NTS 93, No. 58)

LOCATION: Lat. 55° 11′ Long. 127° 42′ (93M/4E)
OMINECA M.D. Nine kilometres south of Hazelton, east of the Skeena River, and north of Comeau Creek.

CLAIMS: MANDON (Lot 4273), HUCKLEBERRY (Lot 4272), MANDON 1 and 2.

OWNER: F. B. WHITING, 1035 Greenwood Place, West Vancouver.

METALS: Gold, silver, copper, (lead, zinc).

DESCRIPTION: A porphyry-type alteration zone with intense quartz-sericite alteration and crisscross fracturing seamed with pyrite containing small amounts of silver and traces of gold, occurs over an area at least 800 metres wide. Within this broad weakly mineralized area are narrow veins with considerable gold, silver, and copper, that were explored by adits in the period 1916 to 1918.

WORK DONE: Prospecting and grab sampling, 10 bulk samples assayed for gold and silver, on Huckleberry and Mandon 1 and 2.

REFERENCES: Mineral Inventory 93M-73; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 430; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 43, p. 51; Assessment Report 3463.

SURPRISE (Fig. E-1, NTS 93, No. 60)

LOCATION: Lat. 55° 19′ Long. 127° 37′ (93M/5E)
OMINECA M.D. Eight kilometres northerly of Hazelton, immediately north of Mount Glen.

CLAIMS: WONDERFUL (Lot 3710), SURPRISE (Lot 3711), SHAMROCK (Lot 3712), KEITH Fraction (Lot 6455), KEITH 4 (Lot 6449), KEITH 5 (Lot 6450), KEITH 8 (Lot 6452), GANDR 1 (Lot 6453).

OWNER: K. COSWAN, Box 3277, Smithers V0J 2N0.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: Pyrite, sphalerite, and some galena occur in veins cutting sandstone and greywacke of the Bowser Formation.

WORK DONE: Linecutting, 1 000 metres, on Wonderful and Surprise; control survey, 4 000 metres, covering Wonderful, Surprise, and Shamrock; trenching, 15 square metres and test pits, 5 square metres, on Surprise; road clearing, 350 metres, on Wonderful.

REFERENCES: Mineral Inventory 93M-48; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 223, E 224.

BURN (Fig. E-1, NTS 93, No. 61)

LOCATION: Lat. 55° 23′ Long. 127° 45′ (93M/5)
OMINECA M.D. Fifteen kilometres north-northwest of Hazelton, on Date Creek.

CLAIMS: BURN 3 (4 units), BURN 4 (8 units), BURN 16 (16 units), BURN D 8 (8 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by sedimentary rocks of the Bowser Group which have been intruded by stocks and dyke-like bodies of granodiorite and biotite feldspar porphyry. Mineralization consists of disseminated and fracture-filling pyrite with minor chalcopyrite and molybdenite.

WORK DONE: **Surface geological mapping, 1:2500, covering Burn 4, 16, and D 8; geochemical survey, 1 061 soil and 120 rock chip samples; magnetometer survey, 17.25 kilometres; and induced polarization survey, 11.5 kilometres, covering predominantly Burn 16 with minor sampling on Burn 4 and D 8; trenching, 1 trench, 5 metres and surface diamond drilling, 3 NQ holes, totalling 846.13 metres, on Burn 16.**

REFERENCES: Mineral Inventory 93M-147; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 155, E 156.

RIO (UTE) (Fig. E-1, NTS 93, No. 62)

LOCATION: Lat. 55° 21′ Long. 126° 48′ (93M/7W)
OMINECA M.D. Ten kilometres west of the north end of Babine Lake, on the east side of French Peak.

CLAIMS: SILVERADO (9 units), ELDORADO (9 units), MAG HI (6 units), SILVER IRON (6 units), UTE 5 to 8.

OWNERS: Mohawk Oil Co. Ltd. and Silverado Mines Ltd.

OPERATOR: MOHAWK OIL CO. LTD., c/o Tri-Con Mining Ltd., Box 12542, 1540, 1066 West Hastings Street, Vancouver.

METALS: Silver, copper, lead, zinc.

DESCRIPTION: High-grade silver and base metal veins are found in Hazelton (?) intermediate flows and tuffs.

WORK DONE: Petrographic study of old drill core (approximately 80 thin and polished sections), covering Ute 5-8; linecutting, 7 kilometres, covering Ute 5-8, Silverado, Silver Iron.

REFERENCES: Mineral Inventory 93M-15; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 156, E 157; Assessment Reports 6014, 7239.

MOLLY, MOLY (Fig. E-1, NTS 93, No. 63)

LOCATION: Lat. 55° 35′ Long. 127° 29′ (93M/11W)
OMINECA M.D. Ninety-eight kilometres north of Smithers, on a northwest-trending spur from Mount Thomlinson.

CLAIMS: MOLLY TOM 1 to 8, THOM 1 (6 units), THOM 2 (6 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Molybdenum, copper.

DESCRIPTION: A mineralized zone is located near the northwestern contact of a small **(about 1 350-metre diameter) stock of porphyritic quartz monzonite** intrusive into Upper Mesozoic argillaceous rocks. Molybdenite and chalcopyrite occur in quartz veins in an arcuate zone approximately 900 metres long by 50 metres thick, dipping northwestward at 65 degrees to an unknown depth.

WORK DONE: Surface geological mapping, 1:2400, covering all claims.

REFERENCES: Mineral Inventory 93M-80; *Minister of Mines, B.C.*, Ann. Rept., 1964, pp. 48-50; 1965, p. 73; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 150.

BEAR (Fig. E-1, NTS 93, No. 64)

LOCATION: Lat. 55° 32′ Long. 127° 38′ (93M/12E)
OMINECA M.D. Thirty-two kilometres north of Hazelton, on the western flank of Mount Thompson, on the western side of Sterritt Creek.

CLAIMS: MORE 1 (9 units), MORE 2 (12 units).

OWNER: ASARCO EXPLORATION COMPANY OF CANADA, LIMITED, 504, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Molybdenum, copper.

DESCRIPTION: Jurassic/Cretaceous sedimentary rocks of the Hazelton Group are intruded by the discordant Cretaceous Laura stock consisting of granodiorite and quartz monzonite. Disseminated and quartz vein stockwork mineralization of pyrite and molybdenite occurs within portions of the stock and surrounding hornfels.

WORK DONE: Linecutting, 10.51 kilometres; induced polarization and ground magnetometer survey, 9.54 kilometres, covering More 1 and 2; percussion drilling, 8 holes, totalling 202 metres; geochemical survey, 58 rock samples analysed for copper and molybdenum; and road construction, 500 metres, covering More 2.

REFERENCES: Mineral Inventory 93M-79; *Minister of Mines, B.C.*, Ann. Rept., 1968, pp. 113-116; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 177; Assessment Reports 7071, 7462.

GOATHEAD (Fig. E-1, NTS 93, No. 65)

LOCATION: Lat. 55° 45′ Long. 127° 25′ (93M/14W)
OMINECA M.D. Eleven kilometres northeast of the site of Kisgegas at the source of Goathead Creek.

CLAIMS: MOLLY BLUE (8 units), SILVER FOX (4 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Molybdenum, copper, tungsten.

DESCRIPTION: A granodiorite to quartz monzonite stock of probable Eocene age intrudes interbedded argillites and greywackes with minor conglomerate and limestone belonging to the Bowser Assemblage. Mineralization consists of molybdenite, chalcopyrite, pyrite, and minor sphalerite and stibnite in quartz veins.

WORK DONE: Surface geological mapping, 1:5000, covering all claims.

REFERENCES: Mineral Inventory 93M-82; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 81; *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1977, p. 68.

SHEL (Fig. E-1, NTS 93, No. 77)

LOCATION: Lat. 55° 57′ Long. 127° 02′ (93M/14E)
OMINECA M.D. Eighty kilometres north-northeast of Hazelton, at the northern headwaters of Nilkitkwa River.

CLAIMS: SHEL 1 to 11, 21 to 29, 31, 32, 34, 36 to 48, SHEL D FRACTION.

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

METALS: Molybdenum, copper.

DESCRIPTION: Molybdenite, chalcopyrite, pyrite, and pyrrhotite occur in quartz veins within a quartz monzonite stock and dykes (Late Cretaceous/Early Tertiary) intruded into argillites and volcaniclastic rocks of the Bowser Group.

WORK DONE: Surface diamond drilling, totalling 709 metres, on Shel 43.

REFERENCES: Mineral Inventory 93M-92; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 273; Exploration in B.C., 1978, p. E 226; Assessment Report 6849.

MANSON RIVER 93N

JEAN, JW (Fig. E-1, NTS 93, No. 66)

LOCATION: Lat. 55° 06′ Long. 124° 54′ (93N/2W)
OMINECA M.D. Twelve kilometres south of Tchentlo Lake, at the headwaters of Jean Marie Creek.

CLAIMS: JEAN, JW, totalling 231 units and claims.

OWNER: NBC Syndicate.

OPERATORS: COMINCO LTD., DUVAL CORPORATION OF CANADA, CHEVRON CANADA LIMITED, and NORANDA EXPLORATION COMPANY, LIMITED, 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, molybdenum.

DESCRIPTION: Copper and molybdenum mineralization occurs in Takla volcanic rocks and in a composite intrusion of the Jean stock.

WORK DONE: Geological mapping, 1:2400 and geochemical survey, 121 soil samples analysed for copper, molybdenum, lead, zinc, tungsten, and manganese, covering Jean 2, 4, 6, 23-28, 45 Fraction.

REFERENCES: Mineral Inventory 93N-83; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 227; Assessment Reports 6948, 7530.

DON, JOHN **(Fig. E 1, NTS 93, No. 67)**

LOCATION: Lat. 55° 17' Long. 125° 35' (93N/5E)
OMINECA M.D. Approximately 10 kilometres east-northeast of Dominion Point, on Takla Lake.

CLAIM: DAIRY (12 units).

OWNER: PLACER DEVELOPMENT LIMITED, Endako Mines Division, Endako V0J 1L0.

METAL: Molybdenum.

DESCRIPTION: Mineralization occurs as scattered quartz-molybdenite veins in a fresh to weakly altered, medium to fine-grained, grey, equigranular quartz monzonite stock. The surrounding older rock is medium-grained, pink to grey, equigranular to porphyritic quartz monzonite of the Mitchell batholith.

WORK DONE: Geochemical survey, 162 soil and sediment samples assayed for molybdenum on Dairy.

REFERENCES: Mineral Inventory 93N-181; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 227, E 228; Assessment Reports 6814, 7468.

BURN **(Fig. E-1, NTS 93, No. 68)**

LOCATION: Lat. 55° 30' Long. 125° 14' (93N/6E, 11E)
OMINECA M.D. Ten kilometres northeast of the east end of Tsayta Lake and 6 kilometres east of Kwanika Creek.

CLAIMS: BURN 1 to 16, 19 to 26, 31, 37, 39 to 74, SNAG (16 units), SIBERIA (16 units).

OWNER: PLACER DEVELOPMENT LIMITED, 800, 1030 West Georgia Street, Vancouver V6E 3A8.

METAL: Molybdenum.

DESCRIPTION: Fracture systems in monzonite and alaskite are sparsely mineralized with pyrite, molybdenite, and chalcopyrite.

WORK DONE: Percussion drilling, 7 holes, totalling 640 metres, on Burn 11, 22-25, and 42, and 3 holes, totalling 274 metres, on Siberia, ground magnetometer survey, 22.8 kilometres, covering Burn 3, 5, 9-16, 19-26, 37, 40, and 43; geochemical survey, 355 soil samples analysed for molybdenum, copper, zinc, lead, nickel, cobalt, silver, gold, uranium, fluorine, and tungsten, covering Burn 9, 19- 23, 37, and 40, 35 rock samples analysed for molybdenum, copper, zinc, lead, nickel, cobalt, silver, gold, uranium, fluorine, tungsten, bismuth, sodium, potassium, and tin, covering Burn 12-15, and 26, and 103 sediment samples analysed for molybdenum, copper, zinc, lead, nickel, cobalt, silver, gold, uranium, fluorine, and tungsten, covering Snag, Siberia, Burn 1-4, 9-15, 19-26, 37, 40, and 42; trenching, 100 metres, on Burn 15.

REFERENCES: Mineral Inventory 93N-107; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 157, E 158; Assessment Reports 5619, 7432.

ELSIE (BERTHOLD) (Fig. E-1, NTS 93, No. 79)

LOCATION: Lat. 55° 36' Long. 124° 22' (93N/9W)
OMINECA M.D. Thirteen kilometres southeast of the Manson Creek post office, on the south side of Boulder Creek, 1 kilometre west of Manson Lakes.

CLAIMS: ELSIE 1 to 6, BILL 1, 2.

OWNER: W. Makowichuk.

OPERATOR: AZURE RESOURCES LTD., 433, 355 Burrard Street, Vancouver.

METALS: Gold, silver, lead.

DESCRIPTION: Fine-grained pyrite and minor galena including precious metals occur in a siliceous fracture zone 3 metres wide. The fracture zone is near a probable branch of the Manson fault zone.

WORK DONE: Percussion drilling, 9 holes, totalling 283.7 metres, on Elsie 3 and 4.

REFERENCES: Mineral Inventory 93N-28; Assessment Report 7445.

KATHY (GLO) (Fig. E-1, NTS 93, No. 78)

LOCATION: Lat. 55° 39.5' Long. 124° 28' (93N/9W)
OMINECA M.D. Two kilometres southeast of the Manson Creek post office.

CLAIM: KATHY (20 units).

OWNER: Noranda Exploration Company, Limited.

OPERATOR: MATTAGAMI LAKE MINES LIMITED, 502, 8215 – 112th Street, Edmonton, Alberta.

METAL: Tungsten.

DESCRIPTION: A belt of Cache Creek metasedimentary and volcanic rocks (Pennsylvanian/Permian) is situated between the granitic intrusive Germansen batholith (Upper Cretaceous) and the Wolverine complex (Proterozoic). Scheelite occurs in quartz veins in an outcrop of very brittle schist.

WORK DONE: Geochemical survey, 187 soil and 20 silt samples analysed for copper, lead, zinc, silver, molybdenum, and tungsten.

REFERENCES: Mineral Inventory 93N-30; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 182; Exploration in B.C., 1977, p. E 202 (Glo); Assessment Report 7519.

LONNIE (Fig. E-1, NTS 93, No. 80)

LOCATION: Lat. 55° 41' Long. 124° 23' (93N/9W)
OMINECA M.D. Eight kilometres east of the Manson Creek post office, on the southeast side of Granite Creek, 2 kilometres northeast of the junction of Granite and Manson Creeks.

CLAIMS: LONNIE (1 unit), PITCH (1 unit).

OWNER: MOLY MITE MINES INC., c/o 713, 744 West Hastings Street, Vancouver V6C 1A5.

METALS: Niobium, zirconium.

DESCRIPTION: Zircon, columbite, and pyrochlore are found in a carbonatite complex.

WORK DONE: Surface diamond drilling, 3 AEX holes, totalling approximately 120 metres, on Lonnie.

REFERENCES: Mineral Inventory 93N-12; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 181; Exploration in B.C., 1977, p. E 202; Assessment Report 7515.

VIRGEL (Fig. E-1, NTS 93, No. 69)

LOCATION: Lat. 55° 43' Long. 124° 26' (93N/9W)
OMINECA M.D. Seven kilometres northeast of the settlement of Manson Creek, 3 kilometres northeast of the Wolverine Lakes.

CLAIMS: BRENT 1, BRENT 2.

OWNER: C. S. POWNEY, Box 189, Fort Fraser.

METAL: Niobium.

DESCRIPTION: A wide carbonatite zone in the Wolverine Complex carrying niobium.

WORK DONE: Trenching or test pitting, 4 pits each averaging about 1 cubic metre on Brent 1.

REFERENCES: Mineral Inventory 93N-174; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 278.

LUSTDUST (Fig. E-1, NTS 93, No. 70)

LOCATION: Lat. 55° 34' Long. 125° 25' (93N/11W)
OMINECA M.D. Immediately west of Silver Creek, between Dream and West Kwanika Creeks.

CLAIMS: K (6 units), L (12 units), M (20 units), AIR (4 units), HIDDEN FRACTION (1 unit), ADIT FRACTION (1 unit), RIDGE FRACTION (1 unit), P (10 units), EAR (8 units), INK (16 units), F (18 units), WOW 1 (1 unit), MV–1 (1 unit), MV–2 (1 unit).

OWNER: Zapata Granby Corporation.

OPERATORS: GRANBY MINING CORPORATION and ZAPATA GRANBY CORPORATION, 15th Floor, 1066 West Hastings Street, Vancouver V6E 3X1.

METALS: Zinc, lead, copper, silver, gold.

DESCRIPTION: Cherty phyllite and argillite are most prevalent, with some limestone and greenschist. Previous exploration was directed mainly at a fault-controlled silver-gold vein structure. Of present interest are massive sulphide concentrations (pyrrhotite-pyrite, sphalerite, tetrahedrite, chalcopyrite, galena), which occur in a complex zone consisting of greenschist, limestone, and phyllite.

WORK DONE: Vector pulse electromagnetometer survey, covering L, M, Ridge Fraction, Wow 1, MV–1, MV–2; surface diamond drilling, 3 BQ holes, totalling 615 metres, on L and M.

REFERENCES: Mineral Inventory 93N-9; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 228; Assessment Reports 7059, 7509, 7759.

SKYE (Fig. E-1, NTS 93, No. 73)

LOCATION: Lat. 55° 36.5′ Long. 125° 52′ (93N/12W)
OMINECA M.D. Fifteen kilometres north-northeast of Takla Landing, extending north from Redslide Peak to Diver Peak.

CLAIMS: SKYE 1, 3 to 17 (290 units).

OWNER: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The Skye claims are underlain by Triassic or Jurassic andesite, dacite, and felsic flow and pyroclastic rocks with intercalated sedimentary rocks. Some outcrops show faulting, brecciation, chlorite and sericite alteration, and diorite intrusive rocks.

WORK DONE: Linecutting, 96 kilometres; geological mapping, 1:2500; and geochemical survey, 3 460 soil samples analysed for copper, lead, zinc, and silver, covering Skye 3, 5-14, 16, 17.

REFERENCE: Assessment Report 7642.

VERNON (Fig. E-1, NTS 93, No. 71)

LOCATION: Lat. 55° 57′ Long. 124° 45′ (93N/15)
OMINECA M.D. Eighteen kilometres north-northwest of Germansen Landing, 5 kilometres northeast of the north end of Nina Lake.

CLAIMS: JEMIMA 3, 4, 17 to 20, 22 (7 units), LESLIE 1 (2 units), LESLIE 2 (6 units).

OWNERS: S. Porayko and L. Owen.

OPERATOR: ELECTRA RESOURCES CORPORATION, 616, 510 West Hastings Street, Vancouver.

METALS: Lead, zinc.

WORK DONE: Geochemical survey, 516 soil and 10 rock samples, covering Jemima 3, 4, 17-20.

REFERENCES: Mineral Inventory 93N-10; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 203; Assessment Reports 6597, 7748.

PINE PASS 93O

FALCON (Fig. E-1, NTS 93, No. 72)

LOCATION: Lat. 55° 40′ Long. 123° 20′ (93O/11W)
OMINECA M.D. Eight kilometres northeast of the junction of Six Mile Creek and Williston Lake, on the headwaters of Patsuk Creek.

CLAIMS: FALCON 1 (20 units), FALCON 2 (16 units), FALCON 3 (20 units).

OPERATOR: SEFEL J. & ASSOCIATES LTD., 500 Bow Valley Square II, Box 9800, Calgary, Alberta T2P 2W4.

METAL: Iron.

DESCRIPTION: A bedded iron formation in Proterozoic (?) sedimentary rocks is strongly deformed and folded into tight northwest-trending folds, with axial planar foliation prominent in most rock units. Rocks are thrust regionally from southwest to northeast. Later right-lateral offset occurred on several northeast-trending faults and large blocks were jostled slightly, producing gentle to moderate northwest or southeast-dipping plunges on fold axes. The iron formation is finely layered and coarsely zoned into silicate-rich and oxide-rich facies with local layers rich in carbonate.

WORK DONE: Surface geological mapping, 1:5000, 1:1000, covering Falcon 1-3; ground magnetometer survey, detailed grid; and trenching (12 trenches) and sampling, on Falcon 1 and 3.

REFERENCES: Mineral Inventory 93O-16; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 230, E 231; Assessment Report 6280.

WEST CENTRAL BRITISH COLUMBIA
(NTS Division 103)

MORESBY ISLAND 103B and part of C

ALDER ISLAND (Fig. E-1, NTS 103, No. 1)

LOCATION: Lat. 52° 27′ Long. 131° 20′ (103B/6W)
SKEENA M.D. Covering Huxley Island, Alder Island, and adjacent areas on the north end of Burnaby Island.

CLAIMS: ABALONE 1 to 4, ABALONE Fraction, ALDER GOLD 1 and 2 (18 units each), ALDER GOLD 3 (20 units), ALDER ONE (20 units), RAMBLER PHOENIX (20 units).

OWNER: J. C. Stephen.

OPERATOR: J. C. STEPHEN EXPLORATIONS LTD., 1124 West 15th Street, North Vancouver V7P 1M9.

METAL: Gold.

DESCRIPTION: The claims are underlain by two major fault slices of incompetent Kunga Formation argillite and limestone. These two slices are separated by a wedge of Karmutsen Formation volcanic rocks that forms a resistant topographic ridge. On the east the Kunga section is bounded by the Burnaby batholith, a post-tectonic intrusion. The western fault slice is intruded by small stocks ranging in composition from gabbro to diorite. Visible gold was found on Alder Island in a drusy quartz breccia hosted by extremely silicified, thin-bedded, black limestone.

WORK DONE: Prospecting and geochemical survey, 200 soil samples, covering all claims; geochemical survey, 30 rock chip samples, covering Abalone 1-4, Alder Gold and 15 silt samples, covering Alder Gold 1-3; surface geological mapping, covering Abalone 1-4.

REFERENCES: Mineral Inventory 103B–C-16 to 19; *Minister of Mines, B.C.*, Ann. Rept., 1922, p. 41; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 54, pp. 193, 216, 220.

TAR (Fig. E-1, NTS 103, No. 2)

LOCATION: Lat. 52° 39′ Long. 131° 28′ (103B/11W)
SKEENA M.D. On the east coast of Lyell Island, southwest of the Tar Islands.

CLAIMS: TAR 1 to 4.

OWNER: J. C. Stephen.

OPERATOR: J. C. STEPHEN EXPLORATIONS LTD., 1124 West 15th Street, North Vancouver V7P 1M9.

DESCRIPTION: Silicified zones containing trace amounts of gold are hosted by a complex assemblage of dacite porphyry, agglomerate, and related dykes. Soil and silt geochemistry is low but some anomalous rock chips were found.

WORK DONE: Prospecting, 30 soil and 20 silt samples, covering Tar 1-4 and 8 rock chip samples, covering Tar 1 and 3.

LYELL (Fig. E-1, NTS 103, No. 3)

LOCATION: Lat. 52° 40′ Long. 131° 32′ (103B/12E)
SKEENA M.D. On the west end of Lyell Island, between Shuttle Passage and Beljay Bay.

CLAIMS: LYELL 1 to 4 (approximately 63 units).

OWNER: J. C. Stephen.

OPERATOR: J. C. STEPHEN EXPLORATIONS LTD., 1124 West 15th Street, North Vancouver V7P 1M9.

DESCRIPTION: Slightly anomalous rock geochemistry was indicated in an extensive shatter zone between feldspar porphyry and a post-tectonic monzonitic pluton.

WORK DONE: Geochemical survey, 90 soil and 14 rock samples analysed for gold and arsenic, covering Lyell 1 and 2.

APRIL (Fig. E-1, NTS 103, No. 46)

LOCATION: Lat. 52° 42′ Long. 131° 41′ (103B/12E)
SKEENA M.D. On Lyell Island, covering the northwestern section.

CLAIMS: APRIL 1 to 5 (63 units).

OWNER: J. Christie.

OPERATOR: PLACER DEVELOPMENT LIMITED, 700. 1030 West Georgia Street, Vancouver.

DESCRIPTION: The April claims are underlain by volcanic rocks of the Karmutsen Formation (Jurassic), thin-bedded limy to siliceous argillite of the Kunga Formation (Jurassic/Triassic), felsic volcanic rocks of the Masset Formation, and possibly syntectonic diorite. The rocks are faulted and pyritic.

WORK DONE: Ground electromagnetic and magnetometer survey, 1.4 kilometres; geochemical survey, 206 soil, 26 silt, and 29 rock samples analysed for gold, mercury, and arsenic, covering April 1-3.

REFERENCE: Assessment Report 7820.

CRESCENT (Fig. E-1, NTS 103, No. 4)

LOCATION: Lat. 52° 45′ Long. 131° 53′ (103B/12W, 13W)
SKEENA M.D. On Moresby Island, covering the western end of Crescent Inlet and extending to Wilson Bay.

CLAIMS: CRESCENT 1 (20 units), CRESCENT 2 (20 units), CRESCENT 3 (8 units), CRESCENT 4 (8 units), CRESCENT 5 (15 units).

OWNER: J. C. Stephen.

OPERATOR: J. C. STEPHEN EXPLORATIONS LTD., 1124 West 15th Street, North Vancouver V7P 1M9.

METAL: (Gold).

DESCRIPTION: The claims are underlain by a complex, Masset, gabbroic pluton which intrudes Yakoun Formation andesites. The pluton is composed of several phases of coarse gabbro and fine-grained diabase. Many large blocks of banded rhyolite and dacite are found within the gabbro. Silicified and pyritic zones with intense argillic alteration are common. The property is cut by major, steeply dipping block faults trending 40 degrees approximately perpendicular to the main lithological boundaries. Low but anomalous gold values are found in a variety of rock types ranging from gabbro to rhyolite throughout the claims. Some high gold values were found in narrow quartz veins.

WORK DONE: Surface geological mapping, 1:5000, 1:2500, and 1:1000; and 7 trenches, 25 cubic metres, covering Crescent 1; geochemical survey, covering Crescent 1, 4, and 5; airborne magnetometer survey, 125 kilometres, covering Crescent 1-5.

GRAHAM ISLAND 103F and parts of 103 G, J, and K

TWO BY TWO (Fig. E-1, NTS 103, No. 50)

LOCATION: Lat. 53° 06′ Long. 132° 11′ (103F/1E)
SKEENA M.D. Thirty-one kilometres west-southwest of Sandspit on Moresby Island, south of Deena Creek.

CLAIMS: TWO BY TWO (4 units), FIVE BY THREE (15 units), THREE SQUARE (9 units) THREE BY FOUR (12 units).

OWNER: G. G. Richards.

OPERATOR: JMT SERVICES CORP., 8827 Hudson Street, Vancouver.

DESCRIPTION: The claims straddle the northwesterly striking Rennell-Louscoone fault system. The lithology consists of volcanic flow rocks and flow breccias of the Karmutsen Formation (Lower Triassic and older) limestone, argillite, and sandstone of the Kunga and Yakoun Formations (Triassic-Jurassic). Pyritic quartz diorite-gabbro dykes and plugs are common.

WORK DONE: 1978 and 1979 – surface geological mapping; geochemical survey, 568 rock, soil, and silt samples analysed for gold; 79 analysed for copper, lead, zinc, silver, arsenic, and mercury.

REFERENCES: Assessment Reports 7296, 7298.

BATEAUX (Fig. E-1, NTS 103, No. 19)

LOCATION: Lat. 53° 04′ Long. 132° 29′ (103F/1W)
SKEENA M.D. On the northwest corner of Moresby Island, 30 kilometres west of Moresby Camp, at the head of Kitgoro Inlet.

CLAIM: BATEAUX (12 units).

OWNER: G. G. Richards.

OPERATORS: PRISM RESOURCES LTD., 409 Granville Street, Vancouver, McINTYRE MINES LIMITED, 1003, 409 Granville Street, Vancouver, and NORANDA EXPLORATION COMPANY, LIMITED, Box 2169, Smithers.

DESCRIPTION: A section of calcareous Kunga Formation rocks is in fault contact with Karmutsen Formation greenstones and intruded pyritic rhyolite dykes. There is widespread siliceous alteration.

WORK DONE: 1978 and 1979 – surface geological mapping; and geochemical survey, 82 soil, silt, and rock samples, covering Bateaux.

REFERENCE: Assessment Report 7625.

OP (Fig. E-1, NTS 103, No. 5)

LOCATION: Lat. 53° 02′ Long. 132° 15′ (103F/1)
SKEENA M.D. On northern Moresby Island, between Inskip Channel and Security Inlet, extending eastward toward Mosquito Lake.

CLAIMS: OVERPROOF (4 units), OP 1 to 11 (approximately 144 units).

OWNER: Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: Geochemically anomalous gold and arsenic are present in rocks of mainly Triassic/Jurassic age, associated with large areas of silicification.

WORK DONE: Geochemical survey, 91 soil, silt, and rock samples analysed for gold and arsenic covering OP 5; 530 samples analysed for gold and arsenic covering OP 1, 3, and part of 2; 130 samples analysed for gold and arsenic covering OP 8; reconnaissance geological mapping, 1:5000, covering OP 1, part of 2, and 3, 5, and 8.

REFERENCE: Assessment Report 7441.

BUCKHORN (Fig. E-1, NTS 103, No. 6)

LOCATION: Lat. 53° 05′ Long. 132° 33′ (103F/2E)
SKEENA M.D. On Moresby Island, 2 kilometres southeast of Buck Point.

CLAIMS: BUCKHORN 1 (4 units), BUCKHORN 2 (16 units), BUCKHORN 3 (2 units).

OWNER: Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: Geochemical gold and arsenic values are associated with rocks of Triassic and Jurassic age.

WORK DONE: Percussion drilling, 10 holes, totalling approximately 600 metres, on Buckhorn 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 232; Assessment Report 7023.

GOSPEL (Fig. E-1, NTS 103, No. 47)

LOCATION: Lat. 53° 23.7′ Long. 132° 30.7′ (103F/7E)
SKEENA M.D. West coast of Graham Island, on Rennell Sound, at Gospel Point.

CLAIMS: GOSPEL GOLD 1 (16 units), GOSPEL GOLD 2 (12 units).

OWNERS: J. Christie and JMT Services Corp.

OPERATOR: PLACER DEVELOPMENT LIMITED, 700, 1030 West Georgia Street, Vancouver.

DESCRIPTION: The claims are underlain by volcanic rocks of the Masset Formation (Paleocene/Eocene ?) and a syntectonic pluton rock of dioritic composition (Jurassic ?).

WORK DONE: Linecutting, 8 kilometres; surface geological mapping, 1:5000; ground electromagnetic survey, approximately 8 kilometres; and geochemical survey, 179 soil and 10 rock samples analysed for gold, mercury, and arsenic, covering both claims.

REFERENCES: Mineral Inventory 103F–G-2; Assessment Report 7819.

CHRIS (Fig. E-1, NTS 103, NO. 7)

LOCATION: Lat. 53° 26′ Long. 132° 31′ (103F/7E, 8W)
SKEENA M.D. On Graham Island, at the head of Rennell Sound, 5 kilometres north-northeast of Gospel Point.

CLAIM: CHRIS (16 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The property is underlain by subaerial basalt flow rocks and breccia, rhyolite ash flows, and lesser dacite of the Masset Formation (Tertiary).

WORK DONE: Airborne magnetometer and VLF–EM survey, approximately 300 kilometres, covering Chris and the surrounding area.

REFERENCE: Assessment Report 7265.

SANDSTONE (Fig. E-1, NTS 103, No. 13)

LOCATION: Lat. 53° 20′ Long. 132° 20′ (103F/8W)
SKEENA M.D. On Graham Island, 19 kilometres west-northwest of the community of Queen Charlotte, 2 kilometres west of Yakoun Lake.

CLAIM: SANDSTONE 1 (12 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The property is situated in an area of volcanic flow and pyroclastic rocks, feldspar porphyries, and minor tuffaceous shale and coal of the Yakoun Formation (Jurassic).

WORK DONE: Airborne magnetometer and VLF–EM survey, approximately 100 kilometres, covering Sandstone 1 and the surrounding area.

REFERENCE: Assessment Report 7265.

RUMPLESTILTSKIN (Fig. E-1, NTS 103, No. 14)

LOCATION: Lat. 53° 21′ Long. 132° 21′ (103F/8W)
SKEENA M.D. On Graham Island, 22 kilometres west-northwest of the community of Queen Charlotte, between the headwaters of Riley and Phantom Creeks.

CLAIMS: RUMPLESTILTSKIN 1 to 5 (31 units), CEASAR (2 units), NOT ALL THERE (8 units), WILLY'S FIRST (4 units).

OWNER: G. S. Richards.

OPERATOR: PRISM RESOURCES LTD., 601, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The underlying rocks are andesitic flows and pyroclastic rocks, argillaceous tuffs, siltstones, and minor conglomerate of the Yakoun Formation (Jurassic), calcearous siltstones and sandstones of the Longarm Formation (Cretaceous) and porphyritic andesite of the Masset Formation (Tertiary). Two faults mapped on the property roughly parallel the Riley Fault System and appear to control alteration and mineralization. Two pyritic clay-carbonate-silica alteration zones occur in fractured tuffaceous and calcareous rocks cut by quartz feldspar porphyry dykes.

WORK DONE: Surface geological mapping; and geochemical survey, 530 soil samples analysed for gold, arsenic, silver, and zinc, covering all claims except Rumplestiltskin 2.

REFERENCE: Assessment Report 7564.

COURTE (STIB, ANT) (Fig. E-1, NTS 103, No. 10)

LOCATION: Lat. 53° 22′ Long. 132° 24′ (103F/8W)
SKEENA M.D. On Graham Island, covering the headwaters of Riley Creek.

CLAIMS: STIB, ANT (9 units each).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: Gold, antimony.

DESCRIPTION: The area is underlain by sedimentary and volcanic rocks belonging to the Yakoun Formation of Jurassic age which are intruded and partly metamorphosed by rhyolite dykes thought to be related to the Masset Formation of Tertiary age. The Yakoun Formation trends in a northwestern direction and dykes of medium to fine-grained rhyolite intrude both sedimentary and volcanic rocks. The rhyolite dykes trend north 70 degrees west and dip nearly vertical. Gold and antimony mineralization is found as sparse disseminations and in veinlets associated with the rhyolite in the general area.

WORK DONE: Airborne magnetometer survey and VLF–EM survey, approximately 110 kilometres, covering both claims and the surrounding area.

REFERENCES: Mineral Inventory 103F–G-3; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 232; Assessment Reports 6726, 7265.

COURTE (SOL, RILEY) (Fig. E-1, NTS 103, No. 11)

LOCATION: Lat. 53° 22′ Long. 132° 25′ (103F/8W)
SKEENA M.D. On Graham Island, 5 kilometres due north of the head of Shields Bay.

CLAIMS: SOL 1 to 4, RILEY 1 and 2, HEMLOCK 1 and 2, SHIELDS (39 units).

OWNER: Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: Gold and stibnite are associated with quartz and carbonate in a northwest-trending zone within Yakoun volcanic rocks.

WORK DONE: Surface diamond drilling, 1 BQ hole, 137 metres, on Sol 2.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1978, p. E 233.

BEER STRIKE (Fig. E-1, NTS 103, No. 51)

LOCATION: Lat. 53° 23' Long. 132° 29' (103F/8W)
SKEENA M.D. Graham Island, straddling Riley Creek, 2 kilometres east of Gospel Point on Rennell Sound.

CLAIM: BEER STRIKE (15 units).

OWNER: CHEVRON STANDARD LIMITED, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: Alteration zones, pyrite mineralization, and porphyritic felsite dykes occur in sheared pyroclastic andesites of the Jurassic Yakoun Formation (?).

WORK DONE: Surface geological mapping, 1:5000; and geochemical survey, 455 soil and 52 rock samples analysed for arsenic, mercury, and gold, covering Beer Strike.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1978, p. E 233 (Courte); Assessment Report 7440.

KING (Fig. E-1, NTS 103, No. 12)

LOCATION: Lat. 53° 26' Long. 132° 19' (103F/8W)
SKEENA M.D. On Graham Island, 27 kilometres west of the community of Lawnhill, between King and Ghost Creeks.

CLAIMS: KING 1 to 9, GOLD FEVER (approximately 54 units).

OWNER: Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

WORK DONE: Percussion drilling, 22 holes totalling approximately 1 720 metres, on King 2 and 4; trenching.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1978, p. E 233; Assessment Report 6925.

SHIELA (Fig. E-1, NTS 103, No. 9)

LOCATION: Lat. 53° 28' Long. 132° 19' (103F/8W)
SKEENA M.D. On Graham Island, 25 kilometres south-southwest of Port Clements, on the headwaters and north of King Creek.

CLAIMS: SHIELA 1 (16 units), SHIELA 2 (20 units), SHIELA 3 (12 units), SHIELA 4 (20 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The Shiela claims are underlain by subaerial basalt and rhyolite ash flow rocks, breccias, and dacite of the Masset Formation (Tertiary).

WORK DONE: Airborne magnetometer and VLF–EM survey, approximately 300 kilometres, covering all claims and the surrounding area.

REFERENCE: Assessment Report 7265.

GOLD, PEN (Fig. E-1, NTS 103, No. 48)

LOCATION: Lat. 53° 29.5′ Long. 132° 16.5′ (103F/8W, 9W)
SKEENA M.D. Thirteen kilometres south of Juskatla, 1 kilometre east of Marie Lake, straddling Gold Creek.

CLAIMS: GOLDEN (16 units), GOLD (4 units), SIDE (16 units), PEN (20 units), CIL (20 units).

OWNER: R. Dion.

OPERATOR: ASHCROFT RESOURCES LTD., 727 West Hastings Street, Vancouver.

DESCRIPTION: Oucrops on the property are pyritic and fractured rhyolite, argillite, and conglomerate rocks belonging to the Masset (Tertiary and Yakoun (Jurassic) Formations.

WORK DONE: Geochemical survey, 1 213 soil samples analysed for gold, covering all claims.

REFERENCE: Assessment Report 7815.

MANY YEARS (Fig. E-1, NTS 103, No. 17)

LOCATION: Lat. 53° 30′ Long. 132° 20′ (103F/8W, 9W)
SKEENA M.D. On Graham Island, 27 kilometres west-southwest of the community of Tlell, covering Marie and Sheila Lakes.

CLAIMS: MANY YEARS 1 (4 units), MANY YEARS 2 (12 units), MANY YEARS 3 (1 unit), MANY YEARS 4 (3 units), PROSPECTOR (4 units), OLD TRAIL (20 units), OLD PROSPECTOR (4 units), DUST 1 and 2 (8 units each).

OWNER: Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: The Marie Lake area is underlain by mineralized Tertiary volcanic rocks of the Masset Formation that lie unconformably on poorly exposed calcareous argillites intruded by a diorite intrusion.

WORK DONE: Percussion drilling, 6 holes, totalling 474 metres, on Prospector; reconnaissance geological mapping, 1:5000; and geochemical survey, approximately 835 (mainly soil) samples analysed for gold and arsenic, covering all claims except Dust 1 and 2.

REFERENCE: Assessment Report 7563.

FLY (Fig. E-1, NTS 103, No. 8)

LOCATION: Lat. 53° 26′ Long. 132° 07′ (103F/8E)
SKEENA M.D. On Graham Island, 13 kilometres west-northwest of the community of Lawnhill, at Feather Lake.

CLAIMS: FLY 3 and 4 (20 units each).

OWNERS: SUNEVA RESOURCES LIMITED and ERL RESOURCES LTD., 333, 885 Dunsmuir Street, Vancouver V6C 1N5.

DESCRIPTION: The rocks consist of Tertiary Skonun Formation and Middle Jurassic Yakoun Formation pyroclastic rocks divided by a fault.

WORK DONE: Geochemical survey, 229 soil samples analysed for molybdenum, copper, zinc, gold, and silver, covering both claims.

BABE (Fig. E-1, NTS 103, No. 16)

LOCATION: Lat. 53° 32′ Long. 132° 13′ (103F/9E)
SKEENA M.D. Northwest of the Yakoun River, 18 kilometres southerly from Port Clements.

CLAIMS: BABE 1 to 32 (32 units), RIC 1 to 12 (12 units), RIC 20 to 26 Fractions (7 units), BILL (1 unit).

OWNER: Consolidated Cinola Mines Ltd. and Energy Reserves Canada Ltd.

OPERATOR: CONSOLIDATED CINOLA MINES LTD., 711, 543 Granville Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Pervasive gold mineralization of moderate grade occurs over an area of 1 000 metres by 300 metres in Tertiary volcanic and Skonun sedimentary rocks associated with the Sandspit fault system. Mineralization occurs over a vertical range of 300 metres. The gold is associated with chalcedonic quartz introduced into the volcanic and sedimentary rocks. Gold is also associated with pyrite, marcasite, and lignite contained in the sedimentary rocks.

WORK DONE: Surface diamond drilling, 48 BQ and NQ holes, totalling 8 840 metres, on Babe 7 and 10; legal survey, covering Babe 1 to 11, 13, 15, Ric 1, 3, 21 Fraction.

REFERENCES: Mineral Inventory 103F–G-34; *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1975, Paper 1976–1, pp. 71-75; Geology in B.C., 1975, pp. G 73-G 77; Exploration in B.C., 1978, p. E 234; Assessment Reports 6754, 7208.

BRE (Fig. E-1, NTS 103, No. 15)

LOCATION: Lat. 53° 32.5′ Long. 132° 13′ (103F/9E)
SKEENA M.D. On Graham Island, 15 kilometres south of Port Clements, along Canoe Creek.

CLAIMS: BRE 33 to 50, BRE 1 Fraction.

OWNER: MUTUAL RESOURCES LTD., 904, 1199 West Hastings Street, Vancouver V6E 3V4.

DESCRIPTION: Rock exposures in Canoe Creek show that the BRE 33-50 claims, at least in part, are underlain by felsic volcanic rocks (rhyolite), minor Haida shale, and probably to a large extent Miocene/Pliocene Skonun sedimentary rocks.

WORK DONE: Geochemical survey, 452 soil and 22 rock samples analysed for arsenic, mercury, and gold, covering BRE 33-39, 41, 43, 45, 47, 49.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1975, Paper 1976–1, pp. 71-75; Geology in British Columbia, 1975, pp. G 73-G 77; Exploration in B.C., 1975, p. E 172.

BRADOR (Fig. E-1, NTS 103, No. 18)

LOCATION: Lat. 53° 33' Long. 132° 26' (103F/9W)
SKEENA M.D. Thirty-four kilometres west of the community of Tlell, between Blackwater Creek and Juskatla Mountain.

CLAIM: BRADOR 1 (12 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The area is underlain by andesites, basalts, and rhyolites of the Tertiary Masset Formation.

WORK DONE: Geochemical survey, 240 soil samples analysed for gold, silver, and mercury, covering Brador 1.

MB (Fig. E-1, NTS 103, No. 49)

LOCATION: Lat. 53° 34.5' Long. 132° 18' (103F/9W)
SKEENA M.D. North-central part of Graham Island, 3.5 kilometres south of Juskatla.

CLAIMS: MB 5, 6, 9, 15 (20 units each).

OWNER: A. Clemiss.

OPERATOR: VENTORA RESOURCES LTD., 2020 Royal Centre, Vancouver.

DESCRIPTION: The claims are underlain by subaerial basalt flow rocks, breccia, rhyolite, and dacite.

WORK DONE: Geochemical survey, 345 soil samples analysed for gold, arsenic, and mercury, covering MB 5, 6, 15.

REFERENCE: Assessment Report 7781.

IRON MOUNTAIN (Fig. E-1, NTS 103, No. 20)

LOCATION: Lat. 53° 43' Long. 132° 51' (103F/10W, 11E)
SKEENA M.D. On Graham Island, 45 kilometres west of Port Clements, extending from Ironside Mountain eastward to Coates Creek.

CLAIMS:	SCORPIO 1 to 7 (108 units).
OWNER:	UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.
DESCRIPTION:	The area is underlain by basalts and rhyolites of the Tertiary Masset Formation.
WORK DONE:	Geochemical survey, 467 soil samples analysed for mercury, covering Scorpio 1-4.
REFERENCES:	Mineral Inventory 103F–G-19; *Minister of Mines, B.C.*, Ann. Rept., 1949, pp. 257, 258; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 54, pp. 115, 175.

DOUGLAS CHANNEL 103H and part of 103G

COPPER BAY, IXL (Fig. E-1, NTS 103, No. 21)

LOCATION:	Lat. 53° 12' Long. 131° 49' (103G/4W) SKEENA M.D. Along the east coast of Moresby Island, extending from Sandspit south to Copper Bay.
CLAIMS:	SNOW 1 (20 units), SNOW 2 (20 units), SNOW 3 (12 units), SNOW 4 (20 units), SNOW 5 (20 units).
OWNER:	R. E. Mickle
OPERATORS:	R. E. MICKLE, 5416 Manson Avenue, Powell River, V8A 3P4, and FALCONBRIDGE NICKEL MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.
METALS:	Copper, (molybdenum, gold, silver, lead, zinc, barite).
DESCRIPTION:	Jurassic Yakoun felsic volcanic rocks in contact with granitic intrusive rocks contain disseminated chalcopyrite in calcite-cemented veins. Other commodities present are silver, gold, molybdenum, lead, zinc, and barite.
WORK DONE:	Linecutting, approximately 4 kilometres, covering Snow 3; prospecting; geological mapping; and geochemical survey, approximately 1 200 samples analysed for gold, silver, mercury, arsenic, lead, and zinc, and 600 rock samples analysed for gold and silver, covering all claims; self-potential survey, 3 kilometres, covering Snow 2, 3, and 5; two trenches, totalling 20 metres, on Snow 2 and 4.
REFERENCES:	Mineral Inventory 103F–G-9, 33; *Minister of Mines, B.C.*, Ann. Rept., 1907, pp. 59, 71; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 100; Assessment Report 2777.

BLUE JAY (Fig. E-1, NTS 103, No. 43)

LOCATION:	Lat. 54° 57.5' Long. 130° 20' (103G/16W) SKEENA M.D. On Porcher Island at the head of Porcher Inlet, approximately 5 kilometres west of the community of Oona River.

CLAIM: FAY (4 units).

OWNER: O. Slaatten.

OPERATOR: CONSOLIDATED FIVE STAR RESOURCES LTD., 3401 Edmonton House, Edmonton, Alberta.

METAL: Molybdenum.

DESCRIPTION: An old shaft exposes molybdenite along the contact between metasedimentary and granitic rocks of the Coast Plutonic Complex. Molybdenite occurs in quartz veins in granitic sills.

WORK DONE: Trenching, 3-4 cubic metres.

REFERENCES: Mineral Inventory 103H–G-37; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 162, E 163; Assessment Reports 3838, 5045, 5817.

DRUMLUMMON (Fig. E-1, NTS 103, No. 22)

LOCATION: Lat. 53° 47' Long. 129° 01.5' (103H/14E)
SKEENA M.D. About 40 kilometres southeast of Kitimat, 2 kilometres north of Drumlummon Bay.

CLAIM: DRUMLUMMON (Lot 2592).

OWNER: P. ANSON, Box 6, Cortes Bay, Cortes Island.

METALS: Copper, silver, gold.

DESCRIPTION: The rocks in the district are quartz diorite of the Coast Range batholith which occupy virtually the entire area. Three pegmatite dykes carry chalcocite, bornite, and chalcopyrite.

WORK DONE: Prospecting and trail building, covering Drumlummon.

REFERENCES: Mineral Inventory 103H–G-18; *Minister of Mines, B.C.*, Ann. Rept., 1930, p. 66; *Geol. Surv., Canada*, Paper 70-41, p. 53.

PRINCE RUPERT – TERRACE 103I and part of 103J

EIGHT MILE (Fig. E-1, NTS 103, No. 23)

LOCATION: Lat. 54° 27' Long. 129° 20' (103I/8W)
OMINECA M.D. Fifteen kilometres east-southeast of Terrace, on the headwaters of Eight Mile Creek and east of Mount Attree.

CLAIMS: EIGHT MILE (4 units), SPLIT CREEK (4 units), LIME (20 units).

OWNER: CCH RESOURCES LTD., A-105, 355 Burrard Street, Vancouver V6C 2G6.

DESCRIPTION: Several rock types are present, including limestone, hornfels, greenstone, and several phases of intrusive rocks. Small massive pyrite nodules are found within intrusive rocks.

WORK DONE: Reconnaissance geological mapping, covering all claims; and geochemical survey, 70 stream silt samples analysed for copper, lead, zinc, and silver, covering all claims; and 2 rock samples analysed for copper, lead, zinc, and silver, covering Split Creek and Eight Mile.

KOKANEE, DIADEM, NICHOLSON CREEK (Fig. E-1, NTS 103, No. 24)

LOCATION: Lat. 54° 41′ Long. 128° 26′ (103I/9W)
OMINECA M.D. Twenty kilometres north-northeast of Terrace, and 4 kilometres north of Usk, extending north and south of Shannon Creek.

CLAIMS: SAK 1 to 3 (1 unit each), SAK 4 (6 units), SAK 5 (5 units), SAK 6 (6 units), SAK 7 (8 units), SHAN 1 (12 units), SHAN 2 (18 units).

OWNERS: D. Young (1978); D. Young and P. Ogryzlo (1979).

OPERATORS: D. YOUNG and P. OGRYZLO, Box 20, SS 1, Granisle V0J 1W0 (1978); RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6 (1979).

METALS: Silver, copper, gold, molybdenum, tungsten.

DESCRIPTION: The Sak property is a stockwork molybdenum prospect and consists of an Early Tertiary fine to medium-grained quartz diorite that intrudes Triassic aphanitic felsic flows. The intrusion shows a quartz-sericite-clay alteration assemblage. Molybdenite occurs in shears and wide-spaced quartz veins. Minor pyrite is associated with the molybdenite.

WORK DONE: 1978 – surface geological mapping, 1:5000; and geochemical sampling, 82 soil samples, covering Sak 1, 2, and 4; 1979 – surface geological mapping, 1:10 000, covering all claims; linecutting, 2 kilometres; induced polarization survey, 1 kilometre; and surface diamond drilling, 2 BQ holes, totalling 968 metres, on Sak 2, 3; geochemical survey, 866 soil samples analysed for copper, molybdenum, silver, lead, and zinc, covering all claims and 104 rock samples analysed for copper, molybdenum, manganese, lead, zinc, strontium, rubidium, fluorine, and tungsten, covering Sak 2, 3.

REFERENCES: Mineral Inventory 103I–J-41 to 43, 114; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 163; Assessment Reports 4298, 5722, 6032, 7179.

MISTY (Fig. E-1, NTS 103, No. 26)

LOCATION: Lat. 54° 45′ Long. 128° 55′ (103I/10W, 15W)
SKEENA M.D. Thirty-five kilometres north-northwest of Terrace, north of the Nelson River at Mount Allard.

CLAIM: MISTY (15 units).

OWNER: CCH RESOURCES LTD., A-105, 355 Burrard Street, Vancouver V6C 2G6.

DESCRIPTION: Both Bowser sedimentary and Coast Range intrusive rocks occur on the property.

WORK DONE: Geochemical survey, 35 silt samples analysed for copper, lead, zinc, silver, molybdenum, and arsenic and 5 gravel concentrates analysed for gold and tungsten, covering Misty.

MOLYBDENUM CREEK (Fig. E-1, NTS 103, No. 27)

LOCATION: Lat. 54° 34′ Long. 128° 46′ (103I/10)
SKEENA M.D. Approximately 12 kilometres northwest of Terrace, on Molybdenum Creek, 3 kilometres north of its confluence with the Zymagotitz River.

CLAIMS: MOLY 1 (9 units), MOLY 2 (6 units), MOLY 3 (8 units), MOLY (12 units).

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Molybdenum, copper.

DESCRIPTION: Molybdenum, chalcopyrite, and pyrite occur in flat-lying quartz veins up to 25 centimetres wide over an area of 1 300 by 200 metres. Most rocks are volcanic and sedimentary rocks adjacent to Coast Range plutonic rocks.

WORK DONE: Surface geological mapping, 1:5000; orthophoto and topographical mapping, 1 350 hectares; induced polarization survey, 6.5 kilometres; and geochemical survey, 610 rock and soil samples, covering all claims.

REFERENCES: Mineral Inventory 103I–J-16; *Minister of Mines, B.C.*, Ann. Rept., 1918, p. 47.

KAY (Fig. E-1, NTS 103, No. 44)

LOCATION: Lat. 54° 51′ Long. 129° 10′ (103I/14E)
SKEENA M.D. Fifty-two kilometres northwest of Terrace, on the north bank of Kitsumkalum River.

CLAIMS: KAY 1 to 10.

OWNER: G. M. Tompson.

OPERATOR: MOLY SYNDICATE, Box 395, Smithers V0J 2N0.

DESCRIPTION: The area is underlain by Bowser siltstone and shale sedimentary rocks (Triassic to Early Cretaceous) intruded by quartz monzonite porphyry rocks. The sedimentary rocks are silicified and pyritic.

WORK DONE: One hundred and ninety-seven soil samples, covering Kay.

REFERENCE: Assessment Report 7839.

CLIFF (Fig. E-1, NTS 103, No. 28)

LOCATION: Lat. 54° 53′ Long. 129° 03′ (103I/14E)
SKEENA M.D. Five kilometres north-northwest of Terrace, on the south side of Cedar Creek, south of Oscar Peak.

CLAIMS: CLIFF (4 units), MARDAV (4 units).

OWNER: CCH RESOURCES LTD., A-105, 355 Burrard Street, Vancouver V6C 2G6.

METAL: Molybdenum.

DESCRIPTION: Fine-grained, light grey sandstones and siltstones of the Bowser sedimentary rocks occur on the eastern edge of the claim group, while felsic intrusions of possible Alice Arm type are found on the western edge, bordered by the Coast Range intrusive complex further to the west. Minor molybdenum is seen in quartz veins and on fracture surfaces.

WORK DONE: Prospecting, covering both claims; geochemical survey, 3 silt samples analysed for copper, zinc, molybdenum, nickel, cobalt, arsenic, and gold, covering Mardav.

MACEX (Fig. E-1, NTS 103, No. 25)

LOCATION: Lat. 54° 53′ Long. 128° 59′ (103I/15W)
SKEENA M.D. Forty-seven kilometres north-northwest of Terrace, on and south of Little Cedar River.

CLAIMS: LC 1 (6 units), LC 2 (6 units), LC 3 (2 units), LC 4 (4 units).

OWNER: G. M. Tompson

OPERATOR: MOLY SYNDICATE, Box 395, Smithers.

METALS: Molybdenum, copper.

DESCRIPTION: Molybdenite and chalcopyrite occur in silicified and feldspathized Eocene quartz monzonite porphyry that intrude Bowser sedimentary rocks.

WORK DONE: Samples, 285 soil samples, covering LC 1, 2, 4.

REFERENCES: Mineral Inventory 103I–J-21; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 71; Assessment Reports 1969, 2029, 7570.

SOUTH LORNE CREEK (Fig. E-1, NTS 103, No. 29)

LOCATION: Lat. 54° 51′ Long. 128° 35′ (103I/15E)
SKEENA M.D. Forty kilometres north of Terrace, on the headwaters of South Lorne Creek.

CLAIMS: SLC 1 (8 units), SLC 2 (8 units), SLC 3 (8 units), SLC 4 (8 units).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

METALS: Molybdenum, copper, lead.

DESCRIPTION: A feldspar hornblende porphyry stock with subordinate sills and dykes intrudes argillites of the Bowser Group sedimentary rocks. The feldspar porphyry shows sericite alteration and contains minor amounts of disseminated pyrite. Several periods of intersecting quartz veins cut through the intrusive rocks and biotite hornfels, developed adjacent to the intrusive contact. These veins contain disseminated molybdenite and pyrite with minor amounts of chalcopyrite and galena.

WORK DONE: Surface geological mapping, 1:2500, covering SLC 2; geochemical survey, 296 silt, soil, and rock chip samples analysed for molybdenum, copper, and lead, covering all claims.

REFERENCES: Mineral Inventory 103I–J-27; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 83 (Hart).

REGA, MAG, CALEDONIA (Fig. E-1, NTS 103, No. 30)

LOCATION: Lat. 54° 58′ Long. 128° 10′ (103I/16E; 103P/1E)
OMINECA M.D. Fifty-five kilometres north-northeast of Terrace, covering Seven Sisters peaks.

CLAIMS: RUSH 1 to 4, FOX 1 to 5, RY 1 to 4, TIM 1 to 4 (293 units).

OWNER: CASSIAR ASBESTOS CORPORATION LIMITED, 2000, 1055 West Hastings Street, Vancouver.

METALS: Molybdenum, copper, tungsten, lead, zinc, silver.

DESCRIPTION: Chalcopyrite-molybdenite mineralization is associated with an altered area of granodiorite in the Seven Sisters pluton which intrudes the Bowser sedimentary and Hazelton volcanic rocks. Galena-sphalerite-silver and tungsten are found at and up to 6 metres above the contact between the sedimentary rocks (now hornfels) and granodiorite.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 61 soil samples analysed for copper, lead, zinc, silver, molybdenum, and tungsten and 20 rock samples analysed for copper, lead, zinc, silver, molybdenum, tungsten, and some gold, covering all claims.

REFERENCES: Mineral Inventory 103I–J-55, 56, 128, 129, 149, 150; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 487; Assessment Reports 2016, 3541, 4276.

EDYE PASS, SURF POINT (Fig. E-1, NTS 103, No. 31)

LOCATION: Lat. 54° 01′ Long. 130° 35′ (103J/2E)
SKEENA M.D. North side of Porcher Island, 2 kilometres southwest of Useless Point.

CLAIMS: TRIXIE (Lot 6515), WESTERN HOPE (Lot 6516), PIRATE (Lot 6953), REWARD (Lot 6955), JEANIE (Lot 7191), NABOB (Lot

7192), TIPPY, TOBY 1 and 2, KERRY, EDYE PASS (4 units), BR 1 (12 units), BR 2 (3 units).

OWNERS: Banwan Gold Mines Ltd. and Porcher Island Gold Mines Ltd.

OPERATOR: BANWAN GOLD MINES LTD., 2560 A Simpson Road, Richmond V6X 2P9.

METALS: Gold, silver, copper.

DESCRIPTION: A network of quartz veins contains auriferous pyrite in composite quartz diorite plug about 2.5 kilometres in diameter, probably Cretaceous in age, and satellitic to the Coast Range batholith.

WORK DONE: Prospecting, covering BR 1 and 2; road construction, 1.3 hectares, on Reward and Pirate; geological mapping, 1:250; drilling, 3 AQ holes, totalling 290.3 metres; and underground tunneling (141 metres) and rehabilitation (755 metres), on Trixie; surveying, 3 292 metres on surface and 896 metres underground, covering Trixie, Western Hope, Jeanie, Pirate, and Reward.

REFERENCES: Mineral Inventory 103I–J-1, 2; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 236.

NASS RIVER 103P and part of 103O

REGA, MAG, CALEDONIA (Fig. E-1, NTS 103, No. 30)

LOCATION: Lat. 54° 58′ Long. 128° 10′ (103I/16E; 103P/1E)
Report on this property in 103I/16E.

MOOSE (Fig. E-1, NTS 103, No. 32)

LOCATION: Lat. 55° 05′ Long. 128° 14′ (103P/1E)
OMINECA M.D. Two kilometres north of Woodcock, on the east side of Casnorra Creek.

CLAIM: STAR 9 (9 units).

OWNERS: E. Sargent and M. Sargent.

OPERATOR: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

METALS: Molybdenum, (gold, silver).

DESCRIPTION: Molybdenite mineralization is present in quartz veins which cut a porphyritic biotite granite and biotite hornfels alteration zone bordering the biotite granite. The porphyritic granite intrudes the Bowser sedimentary sequence of argillite and sandstone. Minor amounts of gold and silver are present in the quartz veins.

WORK DONE: Linecutting, 15.5 kilometres; surface geological mapping, 1:2500; ground magnetometer survey, 15.5 kilometres; and geochemical survey, 280 soil and rock chip samples analysed for molybdenum, copper, lead, zinc, and silver, covering Star 9.

REFERENCES: Mineral Inventory 103P-39; *Minister of Mines, B.C.*, Ann. Rept., 1964, p. 44.

PENNY CREEK, NIMBLE (Fig. E-1, NTS 103, No. 42)

LOCATION: Lat. 55° 15′ Long. 129° 35′ (103P/4E, 5E)
SKEENA M.D. South of Alice Arm, west of Mount Huntingdon.

CLAIMS: BC 1 to 4 (54 units), BC 5 and 6 (21 units).

OPERATOR: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Molybdenum, copper.

DESCRIPTION: In the area of the BC claims, there appear to be at least two distinctly different intrusive types, one a medium to coarse-grained porphyritic rock, perhaps granodiorite, and the other fine grained and porphyritic, possibly a quartz monzonite. Both are of Tertiary age. Extensive patches of molybdenite-bearing float occur in the talus and morainic detritus in the valley. Mineralization has been found in both rock types in the float. The source of the float has not yet been fully delineated.

WORK DONE: Prospecting, reconnaissance and claim staking; surface geological and photogeological mapping; and geochemical survey, approximately 125 stream sediment and soil samples analysed for molybdenum and copper, covering all claims.

REFERENCES: Mineral Inventory 103P-233, 250; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 48.

TIDEWATER (Fig. E-1, NTS 103, No. 41)

LOCATION: Lat. 55° 28′ Long. 129° 33′ (103P/5E)
SKEENA M.D. North of Alice Arm, 2.5 kilometres northwest from Pearson Point.

CLAIMS: SUCCESS (Lot 3652), MOLYBDENUM (Lot 3648), TIDE (4 units), TIDE II (1 unit), TIDE 2 (16 units), TIDE 3 (12 units), TIDE 4 (9 units), TIDE 5 (12 units).

OWNER: R. Dunn.

OPERATOR: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METAL: Molybdenum.

DESCRIPTION: Molybdenum occurs in a quartz vein stockwork and in a prominent northeast-trending vein system in and around a quartz monzonite stock.

ELLENBOROUGH (Fig. E-1, NTS 103, No. 34)

LOCATION: Lat. 55° 40′ Long. 129° 24′ (103P/11W)
SKEENA M.D. Forty-five kilometres southeast of Stewart, on the west side of Kinskuch Lake.

CLAIM: ELLENBOROUGH (20 units).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

DESCRIPTION: The northern half of the claim is underlain by banded siltstones; the southern half by intermediate pyroclastic rocks. Narrow microdiorite dykes containing up to 5 per cent disseminated pyrite intrude both formations.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 193 silt, soil, and rock chip samples analysed for copper, molybdenum, lead, and zinc.

VAR (Fig. E-1, NTS 103, No. 36)

LOCATION: Lat. 55° 41′ Long. 129° 38′ (103P/12E)
SKEENA M.D. Thirty-six kilometres southeast of Stewart, east of Kshwan Mountain and north of Varden Glacier.

CLAIM: VAR (20 units).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

DESCRIPTION: The property is underlain predominantly by an argillite sequence which is cut by several narrow northwesterly trending granodiorite dykes. The argillites strike northerly to northeasterly and dip moderately eastward. Dacitic flow rocks and breccias underlie the southeastern corner of the claim. The argillite sequence is cut by several faults along which tight dragfolds contain stringers and disseminations of sphalerite and galena.

WORK DONE: Linecutting, 27 kilometres; surface geological mapping, 1:5000; and geochemical survey, 290 silt, soil, and rock chip samples analysed for copper, molybdenum, lead, and zinc, covering Var.

DENNING (Fig. E-1, NTS 103, No. 37)

LOCATION: Lat. 55° 44′ Long. 129° 55′ (103P/12W)
SKEENA M.D. Twenty-three kilometres south of Stewart, between Outram Lake and Sutton River.

CLAIM: DENNING (15 units).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

WORK DONE: Surface geological mapping, 1:5000; orthophoto and topographical mapping, 1 225 hectares; induced polarization survey, 6.3 kilometres; ground magnetometer survey, 6.5 kilometres; and geochemical survey, 400 samples, covering all claims; surface diamond drilling, 3 holes, totalling 976 metres, on Success and Tide.

REFERENCES: Mineral Inventory 103P-111; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 238; Assessment Reports 6961, 7444.

BOOTY (Fig. E-1, NTS 103, No. 33)

LOCATION: Lat. 55° 35' Long. 128° 09' (103P/9E)
OMINECA M.D. Fifty-five kilometres north of Kitwanga, on the headwaters of Steep Canyon Creek, 4 kilometres west of Mitten Lake.

CLAIMS: BOOTY (6 units), SUSIE (6 units).

OWNER: CCH RESOURCES LTD., A-105, 355 Burrard Street, Vancouver V6C 2G6.

DESCRIPTION: Fine-grained fissile mudstones and medium-grained sandstones are the primary rock type present on this property. No mineralization has been found to date.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 19 stream silt samples and 32 stream bank samples analysed for copper, lead, zinc, and silver and 9 rock chip samples analysed for copper, lead, zinc, silver, and mercury, covering both claims.

SEABEE (Fig. E-1, NTS 103, No. 35)

LOCATION: Lat. 55° 39' Long. 129° 22' (103P/11W)
SKEENA M.D. Fifty kilometres southeast of Stewart, on the south side of Kinskuch Lake.

CLAIM: REID (15 units).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

METAL: Copper.

DESCRIPTION: A microdiorite intrusion cuts a northwest-striking sequence of interbedded andesitic pyroclastic rocks and banded siltstones and argillites. Pyrite and chalcopyrite mineralization was observed in gossan zones within the microdiorite intrusion.

WORK DONE: Surface geological mapping, 1:10 000; and geochemical survey, 152 silt, soil, and rock chip samples analysed for copper, molybdenum, lead, and zinc, covering Reid (west half).

REFERENCES: Mineral Inventory 103P-14; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 47; Assessment Reports 124, 712.

DESCRIPTION: The property covers the contact zone between the Coast Plutonic Complex and siltstones and andesite volcanic rocks of the Hazelton Group. Sphalerite and galena were found in bleached argillite boulders in a talus slope.

WORK DONE: Grid for control, 27 kilometres; surface geological mapping, 1:5000, and geochemical survey, 310 rock chip, soil, and silt samples analysed for copper, molybdenum, lead, and zinc, covering Denning.

DIPLOCK (Fig. E-1, NTS 103, No. 38)

LOCATION: Lat. 55° 45′ Long. 129° 58′ (103P/12W)
SKEENA M.D. Twenty-two kilometres south of Stewart, on the south slope of Mount Brown and north of Ashwood Lake.

CLAIMS: DIPLOCK (16 units), DIPLOCK 2 (9 units), DIPLOCK 3 (9 units), DIPLOCK 4 (9 units).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

DESCRIPTION: Molybdenite mineralization occurs along a northeast-striking set of fractures within the Coast plutonic batholith granodiorite which intrudes intermediate volcanic rocks. Iron-stained hornfels zones in andesite along the granodiorite contact contain only disseminated pyrrhotite and pyrite sulphides.

WORK DONE: Reconnaissance surface geological mapping, 1:5000, and geochemical survey, 60 rock and silt samples analysed for molybdenum, copper, lead, and zinc, covering Diplock.

DUNWELL, SUNBEAM (Fig. E-1, NTS 103, No. 45)

LOCATION: Lat. 54° 00′ Long. 125° 55′ (103P/13W; 104A/4W)
SKEENA M.D. Eight kilometres north-northwest of Stewart, on the east side of the Bear River.

CLAIMS: BEN ALI (Lot 4283), BEN ALI 2 (Lot 4470), SUNBEAM Fraction (Lot 4469), BEN ALI 3.

OWNER: N. Benkovich.

OPERATOR: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow Street, Vancouver V6E 3L2.

METAL: Gold.

DESCRIPTION: Gold mineralization occurs in quartz veins cutting Cenozoic quartz monzonite intrusive rock.

WORK DONE: Geological mapping, covering all claims.

REFERENCES: Mineral Inventory 103P-52, 53; *Geol. Surv., Canada*, Mem. 175, pp. 112, 113, 147; Assessment Report 7706.

JACK (Fig. E-1, NTS 103, No. 39)

LOCATION: Lat. 55° 57′ Long. 129° 44′ (103P/13E)
SKEENA M.D. Fifteen kilometres east-northeast of Stewart, on the northeasterly side of Bromley Glacier.

CLAIM: JACK (16 units).

OWNER: ZENORE RESOURCES INC., 1700, 777 Hornby Street, Vancouver V6Z 1T5.

METALS: Molybdenum, gold.

DESCRIPTION: Molybdenite mineralization is accompanied by significant values in gold (trace to 28.35 grams) plus minor sphalerite, traces of galena, and copper. Molybdenite was discovered in veins where exposed by extremely low water in Goldslide Creek below zone of weathering.

WORK DONE: Two trenches, one 14 metres long by 1.3 metres wide by 1.3 metres deep and the other 8 metres long by 1.3 metres wide by 1.3 metres deep; and one open cut, 14 metres long by 1.3 metres wide by 1.3 metres deep, on Jack.

REFERENCES: Mineral Inventory 103P-259; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 239; Assessment Report 7152.

KIT (Fig. E-1, NTS 103, No. 40)

LOCATION: Lat. 55° 45′ Long. 129° 28′ (103P/14W)
SKEENA M.D. Thirty-eight kilometres southeast of Stewart, on the southeast side of Kitsault Lake.

CLAIM: ATKIN (15 units).

OWNER: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

METAL: Silver.

DESCRIPTION: Silver mineralization has been found in barite within a limestone formation. The claim is underlain by a northeasterly trending Jurassic pyroclastic-sedimentary sequence.

WORK DONE: Geochemical survey, 150 silt, soil, and rock chip samples analysed for copper, molybdenum, lead, and zinc, covering Atkin.

REFERENCES: Mineral Inventory 103P-245; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 44; Assessment Report 1001.

NORTHEAST BRITISH COLUMBIA
(NTS Division 94)

FORT GRAHAME 94C

BETTY (Fig. E-1, NTS 94, No. 2)

LOCATION:	Lat. 56° 03′ Long. 125° 22′ (94C/3W) OMINECA M.D. Three kilometres northeast of the Haha Creek – Osilinka River confluence.
CLAIMS:	CAT 1 (14 units), CAT 2 (14 units), BET 1.
OWNERS:	BP Minerals Limited and A. M. Gerun.
OPERATOR:	BP MINERALS LIMITED, 1007, 1111 West Hastings Street, Vancouver V6E 3N5.
METALS:	Gold, silver, copper.
DESCRIPTION:	Weakly altered basaltic lavas, tuff, and breccia of the Upper Triassic Takla Group are intruded by small granodiorite, hornblende diorite, and syenite porphyry plugs. Disseminated blebs of electrum and chalcopyrite occur in massive magnetite (quartz) veins which pinch and swell along local faults. Trace gold and fine-grained chalcopyrite occur in strongly altered, magnetite-rich volcanic rocks in contact with a granodiorite plug.
WORK DONE:	Trench mapping, 1:1200; trenching, 3 180 square metres; tote trail, 1.58 kilometres; and self-potential survey, 1.07 kilometres, covering Cat 2; VLF–EM survey, 17 kilometres; and surface diamond drilling, 7 EX holes, totalling 214 metres, on all claims.
REFERENCES:	Mineral Inventory 94C-69; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 158; 1977, p. E 212; Assessment Reports 5897, 6516.

McCONNELL CREEK 94D

KLIYUL, BEAR (Fig. E-1, NTS 94, No. 3)

LOCATION:	Lat. 56° 27′ Long. 126° 00′ (94D/8E) OMINECA M.D. Three hundred and forty kilometres northwest of Prince George, 20 kilometres southwest of Johanson Lake airstrip, on the north side of Kliyul Creek.
CLAIMS:	KLIYUL (20 units), BEAR (12 units).
OWNER:	TECK CORPORATION, 1199 West Hastings Street, Vancouver.
METAL:	Molybdenum.

DESCRIPTION: A quartz monzonite stock intrudes altered Takla volcanic rocks and mafic to ultramafic diorites and related rocks. Pyrite, molybdenite, chalcopyrite, and scheelite are related to the stock.

WORK DONE: Geochemical survey, 431 soil and 38 rock chip samples analysed for molybdenum, copper, tungsten, lead, and silver; and diamond drilling, 2 NQ holes, totalling 497.7 metres, on Kliyul.

REFERENCES: Mineral Inventory 94D-113; Assessment Report 7743.

SHRED (Fig. E-1, NTS 94, No. 5)

LOCATION: Lat. 56° 43' Long. 126° 16' (94D/9W)
OMINECA M.D. In the Ingenika Range, 10 kilometres south of Fleet Peak, and 26 kilometres southeast of McConnell Lakes.

CLAIMS: SHRED 1 (20 units), SHRED 2 (12 units), SHRED 3 (20 units), SHRED 4 (20 units).

OWNER: BP MINERALS LIMITED, 1007, 1111 West Hastings Street, Vancouver V6E 3N5.

METAL: Copper.

DESCRIPTION: Upper Triassic Takla Group tuff, breccia, and volcaniclastic rocks are intruded by small peridotite and pyroxenite bodies and by later dioritic plugs and dykes. Massive pyrite, pyrrhotite, and chalcopyrite occur in lenses and pods in two pyroxenite bodies. Disseminated chalcopyrite and pyrite occur in altered tuffs.

WORK DONE: Surface diamond drilling, 6 IEX holes, totalling 110.9 metres, on Shred 2-4.

REFERENCES: Mineral Inventory 94D-111; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 215; 1978, p. E 243; Assessment Reports 6369, 6843.

BIRD (Fig. E-1, NTS 94, No. 6)

LOCATION: Lat. 56° 46' Long. 126° 20' (94D/9W, 16W)
OMINECA M.D. Nineteen kilometres north-northwest of Johanson Lake, 20 kilometres southeast of McConnell Lakes.

CLAIMS: BIRD 4, 6, 8, 10, 12, 14, 15 to 40, 41 Fraction, 42 to 44.

OWNER: BP MINERALS LIMITED, 1007, 1111 West Hastings Street, Vancouver V6E 3N5.

METALS: Copper, molybdenum.

DESCRIPTION: Andesitic tuffs and lavas of the Upper Triassic Takla Group are intruded by the Fleet Peak batholith composed of granodiorite, diorite, quartz diorite, and quartz feldspar porphyry dykes and plugs. Disseminated chalcopyrite occurs in quartz feldspar dykes and propylite. Fine-grained molybdenite occurs nearby in weakly developed quartz stockwork.

WORK DONE: Geological mapping, 1:3000; and diamond drilling, 4 IEX holes, totalling 101.4 metres, on Bird 21-24.

REFERENCES: Mineral Inventory 94D-101; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 162; 1977, p. E 216. Assessment Reports 5254, 5661, 7505.

TOODOGGONE RIVER 94E

PINE (FIN) **(Fig. E-1, NTS 94, No. 7)**

LOCATION: Lat. 57 14' Long. 126 41' (94E 2E)
OMINECA M.D. Two hundred and eighty-five kilometres north-northeast of Smithers, 22 kilometres northeast of the north end of Thutade Lake, on the southeast side of Finlay River.

CLAIMS: FIN 1 (20 units), FIN 2 (20 units), FIN 3 (1 unit), FIN 4 (20 units), FIN 5 (8 units), FIN 6 (6 units).

OWNER: B. D. Pearson.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

METAL: Copper.

DESCRIPTION: The claims are underlain by a series of Upper Triassic to Lower Jurassic altered volcanic flow rocks that have been intruded by Omineca granodiorite of Jurassic age. Pyrite, magnetite, malachite, and azurite occur in quartz stockwork within altered intrusive rock.

WORK DONE: Linecutting, 8 kilometres, covering Fin 1, 3, 4; geological mapping, 1:5000; geochemical survey, 1 212 soil and 134 silt samples analysed for silver, copper, molybdenum, lead, and zinc, covering all claims; diamond drilling, 2 BQ holes, totalling 388 metres, on Fin 6.

REFERENCES: Mineral Inventory 94E-16; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 65; 1973, p. 456; Assessment Reports 1846, 1886, 1983, 2035, 2326, 2380, 3031, 3119, 3120, 3266, 4396, 7750.

VIP (GRACE) **(Fig. E-1, NTS 94, No. 8)**

LOCATION: Lat. 57 10' Long. 126 53' (94E 2W)
OMINECA M.D. On the northwest side of Finlay River, 12 kilometres north of the north end of Thutade Lake.

CLAIMS: GRACE 1 to 14.

OWNER: D. R. MacQUARRIE, 5, 10391 Number 3 Road, Richmond V7A 4V2.

METALS: Copper, zinc, molybdenum, silver.

DESCRIPTION: The property is underlain by granodiorite-quartz monzonite rocks of the Omineca Intrusions, pink porphyritic dykes and roof pendants of coarsely crystalline marble of the Asitka Group, and fine-grained gneissic biotite siltstone of the Takla Group. Chalcopyrite, sphalerite, molybdenite, and magnetite occur in several small skarn zones within the roof pendants.

WORK DONE: 1978 and 1979 – geological mapping, and geochemical survey, 122 soil and 13 rock samples analysed for molybdenum, copper, silver, lead, zinc, gold, and tungsten, covering all claims; induced polarization survey, 1.9 kilometres, and ground electromagnetic survey, 3 kilometres, covering Grace 3-6.

REFERENCES: Mineral Inventory 94E-47 to 49; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 311; Assessment Reports 5144, 7649.

CHAPPELLE **(Fig. E-1, NTS 94, No. 10)**

LOCATION: Lat. 57° 17' Long. 127° 07' (94E/6E)
OMINECA M.D. Thirty kilometres north-northwest of the north end of Thutade Lake, 3 kilometres east of Pau Creek.

CLAIMS: CHAPPELLE 1 to 22, 25 to 30, 33 to 57, 59 to 70, 79 to 90, 94 to 121, 138, 139, 146, 147, 156 to 168, 171, 172, 174 to 178, 184, 186, 188, 190, 192, 194 to 199, 201, 203 to 209, 217 to 221, 245 to 250, 256 to 263, CW 1 Fraction.

OWNER: Kennco Explorations, (Western) Limited.

OPERATOR: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

METALS: Gold, silver.

DESCRIPTION: Electrum, argentite, and minor amounts of chalcopyrite and sphalerite occur with pyrite in a northeasterly trending quartz vein system, which cuts volcanic rocks of the Takla Group.

WORK DONE: Geological mapping, covering Chappelle 4; road construction, 1 000 metres, and diamond drilling, 39 NQ holes, totalling 3 500 metres, on Chappelle 3, 4, 6; underground work, 240 metres of crosscutting and drifting, on Chappelle 4.

REFERENCES: Mineral Inventory 94E-26; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 165; 1976, p. E 175; 1978, p. E 246; Assessment Reports 1959, 2582, 2819, 3171, 3198, 3314, 3343, 3362, 3366, 3367, 3417, 3418, 3419, 4065, 4066, 5268, 5667, 6096, 7533.

LAW, KODAH **(Fig. E-1, NTS 94, No. 9)**

LOCATION: Lat. 57° 18' Long. 127° 11' (94E/6)
OMINECA M.D. Law 1 and 2 lie 6 kilometres south of Toodoggone River and 6 kilometres east of Lawyers Creek. Law 3 lies 3 kilometres to the north, and the Kodah claim lies 6 kilometres to the northwest.

CLAIMS: LAW 1 (20 units), LAW 2 (8 units), LAW 3 (8 units), KODAH (15 units).

OWNER: S.E.R.E.M. LTD., 505, 850 West Hastings Street, Vancouver V6C 1E1.

DESCRIPTION: Rocks exposed on the Kodah claim are epidote-rich pink feldspar porphyry.

WORK DONE: Geochemical survey, 1 218 soil samples analysed for silver and gold, covering all claims.

REFERENCES: Assessment Reports 2822 (Lawyers), 3315, 3316 (Kodah), 3361, 3416, 3836, 3837, 3841, 4615, 5106, 5167, 5825, 7703.

WARE 94F

PIE (Fig. E-1, NTS 94, No. 11)

LOCATION: Lat. 57° 28′ Long. 125° 00′ (94F 6E, 7W)
OMINECA M.D. Between Akie River and Kwadacha River, 32 kilometres east of Mount Haworth.

CLAIMS: PIE 1 to 18 (225 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Barium, (lead, zinc), copper.

DESCRIPTION: Siliceous shale (Devonian-Mississippian) that outcrops on the property is the possible source of galena-bearing float.

WORK DONE: 1978 – geological mapping, 1:25 000, and geochemical survey, 218 silt samples analysed for copper, lead, and zinc; 1979 – linecutting, 15.5 kilometres, covering Pie 1-6, 8-13; geological mapping, 1:10 000, covering all claims; trenching, 6 trenches, totalling 40 metres, on Pie 1; geochemical survey, 1 769 soil samples analysed for copper, lead, and zinc, covering Pie 1-8, 10-13.

REFERENCES: Assessment Reports 7373, 7506.

CIRQUE (Fig. E-1, NTS 94, No. 12)

LOCATION: Lat. 57° 31′ Long. 125° 09′ (94F 6E, 11E)
OMINECA M.D. Between Kwadacha and Akie Rivers, 25 kilometres due east of Mount Haworth.

CLAIMS: CIRQUE 1 to 8, 11 to 14 (170 units).

OWNERS: Cyprus Anvil Mining Corporation and Hudson's Bay Oil & Gas Company Limited.

OPERATOR: CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Barite, lead, zinc, silver.

DESCRIPTION: A stratiform massive barite-pyrite-sphalerite-galena deposit occurs in Gunsteel Formation black shales (Upper Devonian). Drill indicated reserves are 18 million tonnes at 2.3 per cent lead, 7.9 per cent zinc, and 49 grams per tonne silver in an area 800 metres by 300 metres. Thickness of the deposit varies from 3 metres to 60 metres. In addition, 15 million tonnes are inferred down dip. Strike extension of the deposit is yet untested.

WORK DONE: Linecutting, 6 kilometres, covering Cirque 6; diamond drilling, 5 BQ holes, totalling 1 201.5 metres, on Cirque 2.

REFERENCES: Mineral Inventory 94F-8; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 247, E 248; Assessment Reports 6743, 6806, 7272, 7579.

FLUKE (Fig. E-1, NTS 94, No. 16)

LOCATION: Lat. 57 25′ Long. 124 55′ (94F/7W)
OMINECA M.D. Between Akie and Finlay Rivers, 35 kilometres northeast of the junction of Del Creek and Finlay River.

CLAIMS: FLUKE 1 to 11 (approximately 67 units).

OWNERS: Cyprus Anvil Mining Corporation and Hudson's Bay Oil & Gas Company Limited.

OPERATOR: CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Lead, zinc, silver.

DESCRIPTION: A small showing of banded pyrite with amounts of galena and sphalerite occurs in black siliceous shale of the Gunsteel Formation. Located on a small tributary of Fluke Creek, the showing is roughly 1 metre thick and grades approximately 5 to 15 per cent combined lead and zinc with 20 to 35 grams per tonne silver.

WORK DONE: Linecutting, 25 kilometres, covering Fluke 1-3, 5-7; geological mapping, 1:5000; control, topographical, and orthophoto surveys, 1:5000, covering Fluke 1-11.

REFERENCES: Mineral Inventory 94F-9; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 247; Assessment Report 7270.

WIL (Fig. E-1, NTS 94, No. 15)

LOCATION: Lat. 57 30′ Long. 124 48′ (94F/7, 10)
OMINECA M.D. Between Akie and Kwadacha Rivers, 44 kilometres due east of Mount Haworth.

CLAIMS: WIL 1 to 10 (136 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

DESCRIPTION: Shales of Devonian-Mississippian age occupy a northwesterly trending synclinal structure and are flanked by black shale and grey limestone of Ordovician age.

WORK DONE: Geological mapping, 1:25 000; geochemical survey, 171 soil and 170 silt samples analysed for copper, lead, and zinc; and prospecting, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 247; Assessment Report 7374.

TRUTCH 94G

EGG, FOO (Fig. E-1, NTS 94, No. 18)

LOCATION: Lat. 57° 22′ Long. 123° 50′ (94G/5W)
LIARD M.D. Two kilometres north-northeast of Redfern Lake.

CLAIMS: ROCKY 1 (16 units), ROCKY 2 (16 units), ROCKY 3 (16 units), ROCKY 4 (8 units), TYR 36 to 38, 43.

OWNER: Vestor Explorations Ltd.

OPERATOR: TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver.

METALS: Lead, zinc, barite.

DESCRIPTION: Patches of barite, galena, and smithsonite occur in fractured dolomite in a contact zone between basal reef and upper limestone units of the Middle Devonian Dunedin Formation.

WORK DONE: Trenching, 10 metres, on Rocky 1; geochemical survey, 709 soil samples analysed for lead, zinc, and silver, covering Rocky 1-3, and 43 rock chip samples, covering Tyr 36, 38, 43.

REFERENCES: Mineral Inventory 94G-2; *Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 169; Assessment Reports 4529, 4530, 4531, 4532, 5179, 5551, 7705.

TUCHODI LAKES 94K

GATAGA JOINT VENTURE (Fig. E-1, NTS 94, No. 21)

LOCATION: Lat. 58° 04′ Long. 125° 55′ (94K/4W)
LIARD M.D. Southwest of Gataga River, on the upper reaches of Driftpile Creek.

CLAIMS: D 2, 4, 6, 8, 10, 12, 14, 16, 19 to 34, 37 to 48, P 2, 4, 6, 8, 19 to 32, 34, 37, 39, 41, 43, 45, 47, 49, 51, GOOF 1, 2, 4, 5 Fractions.

OWNERS: Placer Development Limited, Welcome North Mines Ltd., and Castlemaine Explorations Ltd.

OPERATOR: GATAGA JOINT VENTURE, 1027, 470 Granville Street, Vancouver V6C 1V5.

METALS: Lead, zinc, barite.

DESCRIPTION: The property is underlain mainly by folded and faulted black shale, calcareous shale, and cherty argillite of the Middle Ordovician and Devonian Road River, Besa River, and Gunsteel Formations. Pyrite, sphalerite, and galena occur in beds and cleavage planes. Barite occurs as stratiform concentrations of flattened nodules.

WORK DONE: Geological mapping, 1:1000, covering D 4, 6, 8, 19, 23, 25, P 20, 22, 24, 37, 39, 41, 43; geochemical survey, 4 890 soil samples analysed for copper, lead, and zinc, covering P 24, 26-29, 30-32, 34, 37, 39, 41, 43, 45, 47, 49, 51, D 2, 4, 6, 8; diamond drilling, 21 BQ holes, totalling 2 416 metres, on D 19-22, P 19-23.

REFERENCES: Mineral Inventory 94K-76; *Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 171; 1978, p. E 251; Assessment Reports 5359, 5812, 6666, 6896, 7149, 7658.

PUCK (Fig. E-1, NTS 94, No. 20)

LOCATION: Lat. 58° 06' Long. 125° 55' (94K/4W)
LIARD M.D. Southwest of Gataga River, on the upper reaches of Driftpile Creek.
CLAIM: PUCK (15 units).
OWNER: Texasgulf Canada Ltd.
OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.
DESCRIPTION: The property is underlain by baritic, silvery weathering shale of the Gunsteel Formation (Devonian-Mississippian).
WORK DONE: Geological mapping, 1:5000; geochemical survey, 10 silt, 44 soil, and 17 rock samples analysed for copper, lead, zinc, and barite, covering Puck.
REFERENCE: Assessment Report 7464.

KECHIKA 94L

X (Fig. E-1, NTS 94, No. 23)

LOCATION: Lat. 58° 12' Long. 126° 07' (94L/1E)
LIARD M.D. Seventeen kilometres east of Bighorn Mountain, at the headwaters of the north fork of Braid Creek.
CLAIMS: XM (10 units), XN (10 units), XW (18 units), XJ (20 units), XK (20 units), XL (18 units), XG (4 units).
OWNER: Noranda Exploration Company, Limited.
OPERATOR: ZAPATA GRANBY CORPORATION, 1500, 1066 West Hastings Street, Vancouver V6E 2E6.
METALS: Barite, zinc.
DESCRIPTION: Stratabound barite is reported interbedded with black graphitic shale. Small pods of massive smithsonite occur in a quartz-calcite vein breccia zone within interbedded carbonaceous black chert and shale.
WORK DONE: Geochemical survey, 793 soil samples analysed for zinc, lead, silver, and barium, covering XL, XK, XM, XJ, XG.
REFERENCES: Mineral Inventory 94L-13; *Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 219; 1978, p. E 252; Assessment Report 6689.

LINDA, WEST (Fig. E-1, NTS 94, No. 24)

LOCATION: Lat. 58° 12' Long. 127° 09' (94L/3E)
LIARD M.D. Thirty-seven kilometres south-southwest of the junction of Frog and Kechika Rivers, at the headwaters of Hals Creek.

CLAIM: WEST 1 (20 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

METALS: Lead, zinc, silver.

DESCRIPTION: Narrow lenses of pyrite, galena, and sphalerite occur in micaceous and calcareous quartzites and pelitic schists subjacent to the Cassiar batholith.

WORK DONE: Gravity and ground electromagnetic survey, 3.5 kilometres.

REFERENCES: Mineral Inventory 94L-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 106; Assessment Reports 465, 2336, 2995, 7523.

ROUGH (Fig. E-1, NTS 94, No. 25)

LOCATION: Lat. 58° 16′ Long. 126° 10′ (94L/8E)
LIARD M.D. South of Gataga River, 18 kilometres due east of Mount New.

CLAIMS: ROUGH 1 (16 units), ROUGH 2 (16 units), ROUGH 3 (20 units), ROUGH 4 (20 units), ROUGH 5 (20 units), ROUGH 6 (20 units), ROUGH 7 (12 units), ROUGH 8 (1 unit), ROUGH 9 (5 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Lead, zinc.

DESCRIPTION: The property is underlain by limestone, cherty shale, and siltstone (Lower Paleozoic). Sphalerite and barite occur in the carbonate and cherty shale rocks.

WORK DONE: Geological mapping, 1:10 000, covering Rough 1-5; geochemical survey, 570 soil samples analysed for copper, lead, and zinc, 10 soil samples analysed for lead, zinc, silver, and barite, and 3 rock samples analysed for lead, zinc, and barite, covering Rough 3, 4.

REFERENCES: Mineral Inventory 94L-11; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 220; 1978, p. E 252; Assessment Reports 6454, 6997.

RABBIT RIVER 94M

BOYA (Fig. E-1, NTS 94, No. 26)

LOCATION: Lat. 59° 16′ Long. 127° 30′ (94M/3W, 4E, 5E, 6W)
LIARD M.D. Twelve kilometres north-northeast of the junction of the Kechika and Turnagain Rivers, 6 kilometres west of Graveyard Lake.

CLAIMS: BOYA 1 (10 units), BOYA 2 (10 units), BOYA 3 (20 units), BOYA 4 (20 units), BOYA 5 (6 units), BOYA 6 (2 units), BOYA 7 (16 units), BOYA 8 (9 units), BB 1 Fraction, PETER POND (9 units), SAMUEL BLACK (9 units), PETER OGDEN (12 units), DAVID THOMPSON (12 units), ALEXANDER MacKENZIE (15 units), SAMUEL HEARNE

(6 units), JOHN FINLAY (4 units), ROBERT CAMPBELL (6 units), SIMON FRASER (12 units), JAMES DOUGLAS Fraction, GEORGE SIMPSON Fraction, JOHN McLEOD (9 units), EDWARD SMITH (9 units), WILLIAM McGILLIVRAY (9 units), PETER DEASE (6 units), MURDOCK McPHERSON (9 units), HB COY Fraction, XY COY Fraction, NW COY Fraction, WILLIAM McELHANNEY Fraction, CAMELFOOT Fraction.

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Molybdenum, tungsten.

DESCRIPTION:

Several zones of mineralization are exposed over a northwesterly trending ridge for a length of over 2 500 metres. Molybdenite is best observed in the Main Face showing. Other (dominantly tungsten) showings include: West Hill, Nighthawk Hill, and Paint Can Hill.

A complex stock of quartz-biotite-feldspar porphyry has intruded a sequence of (presumed) Lower Paleozoic metasedimentary rocks which include in apparent stratigraphic sequence (oldest to youngest): 'porcellanite' (thinly banded skarnified siltstones), skarn (diopside-quartz-garnet-pyrrhotite-scheelite-molybdenite), volcanic tuffs, and massive limestone. An intense quartz stockwork has developed within the intrusive rock and also in hornfels. Alteration includes intense sericitization and biotitization. Mineralization occurs as two distinct types:

(1) ribbon-banded molybdenite-bearing quartz veins (no rosettes) with minor scheelite and chalcopyrite and trace bismuthinite, galena, and sphalerite in quartz-biotite-feldspar porphyry and adjacent hornfels, and

(2) stratigraphically controlled skarn with disseminated and semimassive pyrrhotite and lesser chalcopyrite in pods. Scheelite and minor amounts of molybdenite also occur within the skarnified beds.

WORK DONE: Linecutting, 20 kilometres, and induced polarization survey and magnetometer survey, 20 kilometres, covering Boya 1-4, 7, Samuel Hearne, Peter Ogden, Peter Pond, David Thompson, Samuel Black, HB Coy Fraction, NW Coy Fraction; geochemical survey, 236 soil samples analysed for copper, zinc, molybdenum, and tungsten, covering Boya 3, 4, 7, and David Thompson and 54 rock chip samples analysed for copper, lead, zinc, molybdenum, manganese, bismuth, tungsten, and arsenic, covering Boya 1, 2, 7; control survey and aerial photography, 1:24 000, three lines, 33 photos, covering entire property; diamond drilling, 7 BQ holes, totalling 1 383 metres, on Boya 1, 7 and 1 hole (no bedrock), on David Thompson.

REFERENCES: *Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 254, E 255; Assessment Reports 7252, 7419, 7431.

NORTHWEST BRITISH COLUMBIA
(NTS Division 104 and part of 114)

BOWSER LAKE 104A

SURPRISE (Fig. E-1, NTS 104, No. 3)

LOCATION: Lat. 56° 14′ Long. 129° 33′ (104A/4E)
SKEENA M.D. Located 50 kilometres northeast of Stewart, at the headwaters of Surprise Creek.

CLAIMS: TRIB (10 units), SUR (20 units), PRISE (20 units), CREEK (4 units).

OWNER: WESFROB MINES LIMITED, 700, 1122 West Pender Street, Vancouver V6E 2S1.

DESCRIPTION: Pyrite and molybdenite occur in quartz veins within a small porphyritic quartz monzonite stock intruding shale, greywacke, and siltstone rocks of the Bowser Group.

WORK DONE: Surface geological mapping, 1:5000; ground magnetometer and electromagnetic survey, 36.6 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 256; Assessment Report 7576.

DUNWELL, SUNBEAM (Fig. E-1, NTS 103, No. 45)

LOCATION: Lat. 54° 00′ Long. 125° 55′ (103P/13W; 104A/4W)
Report on this property in section 103P/13W.

MAYOU, ROOSEVELT, RADIO (Fig. E-1, NTS 104, No. 5)

LOCATION: Lat. 56° 02′ Long. 129° 52′ (104A/4W)
SKEENA M.D. Located 20 kilometres northeast of Stewart, covering Ore Mountain.

CLAIMS: ALBERTA 5 and 6 (Lots 5875 and 5876), GOLD HILL 1 (Lot 4812), HILL FR. (Lot 4819), LAKE SHORE (Lot 4808), LEAD COIL (Lot 4811), LEAD COIL 2 (Lot 4813), MORGAN (Lot 5881), MORGAN 1 (Lot 5882), MORGAN 3 to 6 (Lots 5883, 5860, 5861, 5862), MAYOU (Lot 5863), MAYOU FR. (Lot 5863), OPHIR (Lot 5869), OPHIR 2 and 3 (Lots 5871 and 5872), ORE FR. (Lot 4814), ORE HILL (Lot 4815), ORE HILL 2 to 4 (Lots 4816, 4817, 4818), ORE HILL 6 (Lot 4821), ORE MOUNTAIN 3 (Lot 4820), CREEK (Lot 4570), RADIO (Lot 4571), RADIO FR. (Lot 4575), RADIO 2, 3, (Lots 4573 and 4574), MILLER (Lot 893), NORTHERN BELL (Lot 897), ROOSEVELT 1, 2 (Lots 896 and 895), DOT (Lot 5890), SANDY (Lot 5899), ALBERTA 4 and 7 (Lot 5874), plus ART (16 units), JOHN (20 units), JIM (20 units), RON (12 units), ART 485 (8 units), ART 486 (12 units), ART 487 (4 units), ART 488 (5 units), ART 313 (8 units).

OWNERS: Beaver Gold Resources Inc. and S. H. Davis.

OPERATOR: BEAVER GOLD RESOURCES INC., 157 Alexander Street, Vancouver V6A 1B8.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: Black argillite, conglomerate, limestone, sandstone, and volcanic rocks (Middle Jurassic ?) are intruded by quartz monzonite and swarms of felsite and diorite dykes. Galena, sphalerite, chalcopyrite, scheelite, molybdenite, pyrrhotite, pyrite, gold, and silver occur in fissure veins.

WORK DONE: Trenching and access road, 5.1 kilometres, on Jim and Ron; geochemical survey, 279 soil samples analysed for copper, zinc, lead, silver, and tungsten, covering Jim, Ron, Art 313, and Art, and 74 rock chip samples analysed for gold, silver, lead, and zinc, covering Jim, Ron, Art, and John.

REFERENCES: Mineral Inventory 104A-49-51, 62, 64, 69, 71; *Minister of Mines, B.C.*, Ann. Rept., 1925, p. 93; 1926, p. 93; 1928, p. 104; 1929, p. 433; 1931, p. 42; 1932, p. 59; *Geol. Surv., Canada*, Map 216A; *Geol. Surv., Canada*, Mem. 175, p. 143; 159, p. 40.

MC 1 (Fig. E-1, NTS 104, No. 2)

LOCATION: Lat. 56° 03′ Long. 129° 59′ (104A/4W)
SKEENA M.D. Ten kilometres north of Stewart, on the south side of Mount Shorty Stevenson.

CLAIMS: Thirteen reverted Crown-granted claims including PEERLESS 2 to 6 (Lots 4587, 4588, 4589, 4590, 4591 respectively), PEERLESS FR. (Lot 4592), MACK 2 FR. (Lot 1809), MACK 3 FR. (Lot 1810), MC (Lot 4406), MC 1 (Lot 4407), MC 1 FR. (Lot 4409), PEER FR. (Lot 4593), BONANZA (Lot 4411), ANNIVERSARY (Lot 4410), LUCKY JIM (Lot 4408), JEAN (Lot 4196).

OWNER: OCEAN HOME EXPLORATION LTD., Box 3174, Station B, Calgary, Alberta T2M 4L7.

METALS: Lead, zinc, copper, silver, gold.

DESCRIPTION: The claim area is underlain by Upper Jurassic metavolcaniclastic rocks of the Bear River Formation (Hazelton Group). Galena, sphalerite, chalcopyrite, tetrahedrite, and pyrite occur within quartz-carbonate veins in an east-west-trending fault zone.

WORK DONE: Surface geological mapping, 1:6000, covering all claims.

REFERENCES: Mineral Inventory 104A-45; *Minister of Mines, B.C.*, Ann. Rept., 1920, p. 57; Assessment Reports 2754, 3293, 7637.

DALHOUSIE, ROCK OF AGES (Fig. E-1, NTS 104, No. 6)

LOCATION: Lat. 56° 05′ Long. 129° 57′ (104A/4W)
SKEENA M.D. Sixteen kilometres north of Stewart, on the west side of Bear River.

CLAIMS: BEN LOMAND, MAMMOTH, ERIE, ALGONQUIN, DUNDEE, TECUMSEH, WENTWORTH (Lots 1487 to 1493), DALHOUSIE, ORIENT, TILLAMOOK, ALPINE, OK, OK FR., DEEP FR., TALISMAN, TALISMAN FR. (Lots 4924 to 4932), ROCK OF AGES 1 to 7 (Lots 4939, 4933, 4935, 4934, 4936, 4938, 4937 respectively), ROCK OF AGES FR. (Lot 4940), DALHOUSE FR. (Lot 4972) plus PREMONITION (20 units), PREMONITION 1 (20 units), PREMONITION 2 (12 units).

OWNER: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Lead, zinc, copper, gold, silver.

DESCRIPTION: Base metal sulphides with values in gold occur in three areas along or near the contact between rhyolitic and andesitic volcanic flow rocks of the Hazelton Group.

WORK DONE: Trenching, 22.5 cubic metres in nine cuts; geochemical survey, 35 samples, all analysed for gold and silver, 9 for copper, and 2 for lead and zinc; ground magnetometer survey, 1.2 kilometres; and geological mapping, 1:5000 and 1:500, covering Alpine, Rock of Ages, Talisman, OK, and Dalhousie.

REFERENCES: Mineral Inventory 104A-41 to 44; *Minister of Mines, B.C.*, Ann. Rept., 1936, pp. B31, B32; 1965, p. 52; *Geol. Surv., Canada*, Mem. 32, pp. 46, 47; Mem. 175, pp. 106, 111, 123, 135; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 58, p. 123; Assessment Reports 759, 7841.

DALY–SULLIVAN, MONITOR (LAKESHORE) (Fig. E-1, NTS 104, No. 1)

LOCATION: Lat. 56° 06′ Long. 130° 00′ (104A/4W)
SKEENA M.D. Ten kilometres north of Stewart, centred on Slate Mountain.

CLAIMS: Twenty-two reverted Crown-granted claims including SHURE (Lot 4041), SULLIVAN (Lot 3684), DALY (Lot 3685), VANDAL FR. (Lot 3785), MONEY (Lot 4043), START FR. (Lot 5222), START 2 (Lot 5206), START 3 (Lot 5207), START 5 (Lot 5209), START 6 FR. (Lot 5210), LAKESHORE (Lot 4176), MAPLE LEAF 4 (Lot 4448), BUSH 1 (Lot 5196), BUSH 2 (Lot 5197), BUSH 3 (5198), BUSH 4 (Lot 5199), STAR EXTENSION (Lot 5211), STAR EXTENSION 1 (Lot 5212), OB FR. (Lot 5219), OB (Lot 5214), OB 1 (Lot 5215), OB 2 (Lot 5216), OB 2 FR. (Lot 5223), OB 4 (Lot 5217), DOUBLE O 6 (Lot 4042), VALLEY FR. (Lot 6204), OB 1 FR. (Lot 5220), plus SLATE 1 and 2.

OWNER: Dianne Kretschmar.

OPERATOR OCEAN HOME EXPLORATION LTD., Box 3174, Station B, Calgary, Alberta T2M 4L7.

METALS Lead, copper, zinc, silver, gold.

DESCRIPTION The property is underlain by Upper Jurassic volcanic rocks of the Bear River Formation (Hazelton Group) and sedimentary rocks of the Bowser Group. Felsic and black tuff contain vuggy quartz veins and quartz breccia veins with pyrite, galena, tetrahedrite, chalcopyrite, and sphalerite mineralization.

WORK DONE Surface geological mapping, 1:12 000, covering all claims; surface geological mapping, 1:300 (adits), covering Start, Lakeshore, and Bush.

REFERENCES Mineral Inventory 104A-14, 73; *Minister of Mines, B.C.*, Ann. Rept., 1922, p. 83; 1927, p. 97; 1963, p. 10 (New Indian Mines Ltd.); *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 58, p. 135; Assessment Reports 448, 7640.

ENTERPRISE **(Fig. E-1, NTS 104, No. 4)**

LOCATION Lat. 56 07' Long. 129 45' (104A/4)
SKEENA M.D. Twenty-eight kilometres northeast of Stewart, covering Rufus and Cullen Creeks.

CLAIMS Fifty-four Crown-granted claims and 53 reverted Crown-granted claims including RUFUS (Lot 3786), RUFUS 3 (Lot 3789), RUFUS 5 (Lot 3791), SLIDE FR. (Lot 4553), COMET (Lot 3418), COMET 1 and 2 (Lots 3419 and 3420), GRINGO FR. (Lot 3427), VETERAN 1 and 2 (Lots 3424 and 3425), BARITE FR. (Lot 5345), BARITE 2 (Lot 5344), NEW YORK (Lot 1485), LONDON (Lot 1480), KENSINGTON FR. (Lot 1484), PARIS (Lot 1483), BOSTON (Lot 1482), SUPERIOR (Lot 4801), SUPERIOR 2 FR. (Lot 4806), RED TOP 1 (Lot 4804), RED TOP 2 FR. (Lot 4949), RED TOP (Lot 4803), AMAZON 2 (Lot 4968), AMAZON 2 FR. (Lot 4951), AMAZON 4 (Lot 4948), TRAIL 1 to 7 (Lots 4889 to 4895), TRAIL FR. (Lot 4896), BIG SLIDE (Lot 4796), SPECULATOR 2 (Lot 4887), FIVE FR. (Lot 5395), BIG 4 1 (Lot 5392), BIG 4 FR. (Lot 5393), BIG 4 (Lot 5391), BIG 4 1 FR. (Lot 5394), COME AGAIN (Lot 4787), WATERFALL (Lot 4785), BEAR 1 to 9 (Lots 5332 to 5340), COPPER LORD (Lot 4782), KID (Lot 4799), COPPER KING (Lot 4780), BIG GULCH (Lot 4797), ICE WORM 2 (Lot 4944), CANYON (Lot 4798), ENTERPRISE FR. (Lot 5360), ENTERPRISE FR. (Lot 6079), ENTERPRISE (Lot 5346), ENTERPRISE 1 to 5 (Lots 5347 to 5351), ENTERPRISE 6 FR. (Lot 5352), ENTERPRISE 7 (Lot 5353), ENTERPRISE 8 (Lot 5359), GREEN LAKE 2 to 4 (Lots 6076 to 6078), GREEN LAKE (Lot 6081), GREEN LAKE FR. (Lot 6080), PAT FR. (Lot 5358), DEMSEY FR.

(Lot 5396), GIPSY FR. (Lot 5397), KID FR. (Lot 4800), RED TOP FR. (Lot 4807), SUPERIOR 1 (Lot 4802), HEATHER FR. (Lot 5366), HEATHER 4 (Lot 5365), SOME FR. (Lot 5364), HEATHER (Lot 5354), HEATHER 3 (Lot 5355), HEATHER 2 (Lot 5356), HECTOR 1 (Lot 4805), AMAZON 3 (Lot 4947), AMAZON FR. (Lot 4950), AMAZON (Lot (4945), AMAZON 1 (Lot 4946), WHISTLER (Lot 4786), GOLD CROWN (Lot 4779), COPPER QUEEN 2 (Lot 4792), COPPER QUEEN 1 (Lot 4788), COPPER QUEEN (Lot 4781), CASTLE ROCK (Lot 4784), HELENA (Lot 4783), GRANDVIEW (Lot 4793), RED BIRD FR. (Lot 4795), RED BIRD 1 (Lot 4794), SKY SCRAPPER (Lot 4897), HEATHER (Lot 5361), HEATHER 6 (Lot 5362), WEDGE FR. (Lot 5363), plus SNOWLAKE 1 (2 units), and SNOWLAKE 2 (1 unit).

OWNER: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Copper, silver, gold, lead, zinc, barite.

DESCRIPTION: Two kinds of mineral showings are found on the Bear Pass property. Stratiform volcanogenic pyrite, pyrrhotite, chalcopyrite, and minor values in silver and gold occur within chert beds. The other type is crosscutting quartz carbonate veins containing pyrite, chalcopyrite, galena, sphalerite, and high-grade silver or gold. The country rocks are very fine-grained andesites and tuffs with minor dacite, rhyolite, and welded tuff rocks.

WORK DONE: 1978 – surface geological mapping, covering Red Top, Superior, and New York; trenching, 40 metres and 45 samples, covering Red Top and New York.

REFERENCES: Mineral Inventory 104A-20-24, 29; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 221, 1978, p. E 256; Assessment Reports 6382, 7201.

MOONLIGHT (Fig. E-1, NTS 104, No. 7)

LOCATION: Lat. 56° 17' Long. 129° 53' (104A/5W)
SKEENA M.D. Thirty-seven kilometres north of Stewart at the head of American Creek.

CLAIMS: NAPCO 1 (1 unit), NAPCO 2 (1 unit), FORTUNE COOKIE (12 units), CRUBHOUSIE (20 units), LILIANE (20 units).

OWNER: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Silver, (lead).

DESCRIPTION: The claims are underlain by Bowser siltstones and a series of rhyolitic and dacitic flow and tuff rocks. Limited tetrahedrite, argentite, galena, and sphalerite occur in a zone of faulted volcanic flow rocks.

WORK DONE: Surface geological mapping, 1:10 000, 1:500, 1:100; 37 samples taken; and trenching, 28 metres in 3 trenches, covering Napco 1 and 2, and small part of Liliane.

REFERENCES: Mineral Inventory 104A-5; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 41; Assessment Report 7833.

ISKUT RIVER 104B

HIGH ORE GOLD (Fig. E-1, NTS 104, No. 8)

LOCATION: Lat. 56° 02′ Long. 130° 01′ (104B/1E)
SKEENA M.D. Twelve kilometres north of Stewart, between Bear River Ridge and Alaska border.

CLAIMS: HIGH ORE FR. (Lot 4613), HIGH ORE 1 FR. (Lot 4612), HIGH ORE 1 to 4 (Lots 4608 to 4611), NELLIE FR. (Lot 4614), PEACE (Lot 4195), DALEY (Lot 3929), GRUBSTAKE (Lot 3928), GROUP (Lot 3927), LUCKY (Lot 3925), GRUB (Lot 3924), EAGLE (Lot 4197), BOUNDARY (Lot 3926), LUCKY 1 FR. (Lot 4280).

OWNER: OCEAN HOME EXPLORATION LTD., Box 3174, Station B, Calgary, Alberta T2M 4L7.

METAL: Gold.

DESCRIPTION: The property is underlain by an extensive zone of pyritized and silicified tuff and greenstone rocks.

WORK DONE: Geological mapping, 1:12 000, 1:6000, and 1:300 (two adits), covering all claims.

REFERENCES: Mineral Inventory 104B-56; *Minister of Mines, B.C.*, Ann. Rept., 1931, p. 45; Assessment Report 7630.

WOODBINE (Fig. E-1, NTS 104, No. 12)

LOCATION: Lat. 56° 03.5′ Long. 130° 02′ (104B/1E)
SKEENA M.D. Thirteen kilometres north of Stewart.

CLAIMS: VANCOUVER (Lot 4121), VANCOUVER NO. 1 (Lot 4122), VANCOUVER NO. 2 (Lot 4124), VANCOUVER NO. 3 (Lot 4125), WOODBINE 1 FR. (Lot 4126), WOODBINE (Lot 4045), PX FR. (Lot 4425), KITCHENER (Lot 4046), PREMIER NO. 2 FR. (Lot 2855).

OWNER: OCEAN HOME EXPLORATION LTD., Box 3174, Station B, Calgary, Alberta T2M 4L7.

METALS: Zinc, lead, (copper, silver, gold).

DESCRIPTION: The property is underlain by Jurassic volcanic rocks of the Bear River Formation (Hazelton Group) cut by Eocene granodiorite dykes. Pyrite, sphalerite, and galena occur in quartz-calcite veins, breccia zones, and felsic tuff rocks.

WORK DONE: Geological mapping, 1:12 000, 1:1200, 1:300, covering all claims.

REFERENCES: Mineral Inventory 104B-90; *Minister of Mines, B.C.*, Ann. Rept., 1904, p. 100; 1917, p. 451; 1919, p. 80; 1920, p. 60; 1922, pp. 85, 354, 1923, p. 86; 1925, p. 100; 1926, p. 101; 1927, p. 98; 1928, p. 114; 1929, pp. 49, 104; *Geol Surv., Canada*, Mem. 175, pp. 153, 170; Assessment Report 7522.

BOUNDARY (Fig. E-1, NTS 104, No. 9)

LOCATION: Lat. 56° 05' Long. 130° 03' (104B/1E)
SKEENA M.D. Fifteen kilometres north of Stewart, on the east side of a U-shaped valley formed by the Salmon Glacier.

CLAIMS: HE (Lot 1853), BILL (Lot 1854), X FR. (Lot 4117), GLACIER (Lot 1849), GLACIER NO. 1 (Lot 1850), GLACIER NO. 2 (Lot 1851), GLACIER NO. 4 (Lot 1852), RED ROCK (Lot 1855), GLACIER END FR. (Lot 1856), BOUNDARY NO. 4 (Lot 2313), BOUNDARY NO. 1 (Lot 2314), KNOB HILL (Lot 3220), BOSTON FR. (Lot 5521), BEAN FR. (Lot 5522), BOSTON FR. NO. 2 (Lot 5523) reverted Crown-granted claims.

OWNER: OCEAN HOME EXPLORATION LTD., Box 3174, Station B, Calgary, Alberta T2M 4L7.

METALS: Lead, zinc, copper, gold, silver.

DESCRIPTION: The claim area is underlain by Upper Triassic metavolcanic rocks of the Bear River Formation (Hazelton Group) cut by dykes and quartz-carbonate veins that carry galena, sphalerite, chalcopyrite, and tetrahedrite mineralization.

WORK DONE: Surface geological mapping, 1:12 000, covering all claims.

REFERENCES: Mineral Inventory 104B-49, 112; *Minister of Mines, B.C.*, Ann. Rept., 1922, pp. 81, 353; Assessment Report 7639.

MINERAL HILL (LITTLE JOKER) (Fig. E-1, NTS 104, No. 111)

LOCATION: Lat. 56° 07' Long. 130° 00' (104B/1E)
SKEENA M.D. Twenty-two and one-half kilometres north of Stewart, immediately west of Long Lake.

CLAIMS: PASS FR. (Lot 3906), SEPTEMBER FR. (Lot 4163), FALLS VIEW (Lot 3223), PROUSTITE (Lot 4156), GT FR. (Lot 3222), SURE MONEY (Lot 4018), LITTLE JOKER (Lot 3904), MYSTERY (Lot 3903).

OWNERS: Western Mines Limited and Tournigan Mining Explorations Ltd.

OPERATOR: WESTERN MINES LIMITED, 1103, 595 Burrard Street, Vancouver V7X 1C4.

METALS: Silver, lead.

WORK DONE: Geochemical survey, 66 soil samples analysed for lead, zinc, silver, gold, and copper, covering Little Joker, Pass Fr., and Mystery.

REFERENCES: Mineral Inventory 104B-45; Assessment Report 7810.

BIG MISSOURI, UNICORN, GOOD HOPE (Fig. E-1, NTS 104, No. 11)

LOCATION: Lat. 56° 07′ Long. 130° 01′ (104B/1E)
SKEENA M.D. Located 20 kilometres northwest of Stewart on Big Missouri Ridge.

CLAIMS: Twenty-two Crown-granted claims and 35 reverted Crown-granted claims including GOLDEN CROWN (Lot 3210), GOOD HOPE (Lot 4037), UNICORN (Lot 4534), ARGENTITE (Lot 4153), BUENA VISTA (Lot 3207), GALENA (Lot 4615), HIGH GRADE (Lot 4605), PROVINCE (Lot 3208), BIG MISSOURI (Lot 3217), MONTANA 1 (Lot 5093), MC.

OWNER: Tournigan Mining Explorations Ltd.

OPERATOR: WESTERN MINES LIMITED, 1103, 595 Burrard Street, Box 49066, Vancouver V7X 1C4.

METALS: Gold, silver, copper, lead, zinc, cadmium.

DESCRIPTION: The volcanic sequence consists of metamorphosed agglomerates, tuffs, and flow rocks of andesitic composition intercalated with cherty tuff bands. Mineralization observed consists of fine-grained disseminated pyrite with or without sphalerite and galena contained mainly in the cherty tuff horizons or as small sulphide stringers and veinlets within the andesite. The preliminary interpretation of the geological environment is that the mineralization occurs in narrow stratabound interflow siliceous exhalative horizons.

WORK DONE: Geological mapping, 1:1000; 1:500, and 1:250, linecutting, 4 kilometres, geochemical survey, 2 050 soil and 200 rock chip samples analysed for silver, gold, copper, lead, and zinc, covering all claims; 1 trench, 50 metres total length, on Province; diamond drilling, 7 NQ holes totalling 970 metres, on Province, Buena Vista, and Good Hope.

REFERENCES: Mineral Inventory 104B-44, 46; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 179; 1976, pp. E 179, E 180; 1978, p. E 257; Assessment Reports 5988, 6009, 6080, 6940, 7686, 7800.

OUTLAND SILVER BAR (Fig. E-1, NTS 104, No. 13)

LOCATION: Lat. 56° 09′ Long. 130° 05′ (104B/1E)
SKEENA M.D. Twenty-four kilometres north of Stewart, west side of Salmon Glacier, 3 kilometres north-northeast of Mount Bayard.

CLAIMS: ALMO (Lot 2847), ALMO FR. (Lot 4445), AMY A (Lot 5430), BAR CROSS (Lot 5428), BAR SILVER (Lot 4193), ELDORADO (Lot 2846), ELDORADO 3 (Lot 4443), ELDORADO 2 (Lot 4444), HIBBARD C (Lot 5429), IDO O (Lot 4602), LENS (Lot 3624), MINERAL ZONE (Lot 4189), MOUNTAIN GIRL (Lot 4190), MONS (Lot 3625), MUNRO (Lot 5412), NATIVE SILVER FR. (Lot 5527), RUBY SILVER FR. (Lot 5528), SILVER BARS (Lot 4191), SILVER DOLLAR (Lot 5418), SILVER THOUGHT FR. (Lot 2848), SILVER THOUGHT 2 FR. (Lot 2849), VIMY 1 FR. (Lot 3623), BANANA FR. (Lot 4601) plus LILA 2 (9 units).

OWNER: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Silver, lead, (zinc, copper, gold).

DESCRIPTION: The claims are underlain by hornfels, black limy siltstone, and the Portland Canal dyke swarm. Replacement-type pyrite, pyrrhotite, arsenopyrite, sphalerite, galena, chalcopyrite, and tetrahedrite occur in veins and in zones of massive sulphides within altered siltstone.

WORK DONE: Twenty-seven samples (from previous workings) analysed for copper, lead, zinc, silver, and gold.

REFERENCES: Mineral Inventory 104B-30, 47; *Minister of Mines, B.C.*, Ann. Rept., 1929, pp. 49, 109; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 180; 1977, p. E 221; Assessment Report 7728.

SCOTTIE (Fig. E-1, NTS 104, No. 10)

LOCATION: Lat. 56° 13′ Long. 130° 05′ (104B/1E)
SKEENA M.D. Located 30 kilometres north of Stewart, covering the northwest shore of Summit Lake.

CLAIMS: PRINCE 1 to 5 (Lots 6407 to 6411), PRINCE FR. (Lot 6412), SUMMIT LAKE 1 to 6 (Lots 6296 to 6301), SUMMIT LAKE 7 FR. (Lot 6405), SUMMIT LAKE 8 (Lot 6406), SCOTTY (6 units).

OPERATOR: SCOTTIE GOLD MINES, 333, 885 Dunsmuir Street, Vancouver V6C 1N5.

METALS: Gold, silver.

DESCRIPTION: Ore consists of lenses formed along nearly vertical faults and fracture systems within competent fragmental volcanic and sedimentary rocks. Gold is mainly associated with pyrrhotite-rich lenses occurring along northwest-striking faults and easterly striking fractures with the higher grade gold values often occurring at the junction of the two.

WORK DONE: Surface diamond drilling, 4 AX holes, totalling 635 metres and 10 EX holes, totalling 250 metres, and underground development, 185 metres raising, 104 metres subdrifting, and 430 square metres slashing, on Summit Lake 6, 7, Prince 2, Prince Fr.; geological mapping, 1:240; road construction, 1.2 kilometres and 2 kilometres, covering Scotty Group and Summit Lake 1 and 2; control survey, covering Summit Lake 1, 2, 6, 7, Prince 2, Prince Fr.

REFERENCES: Mineral Inventory 104B-74; *Minister of Mines, B.C.*, Ann. Rept., 1946, pp. 66-68; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 58, p. 152.

GRANDUC (Fig. E-1, NTS 104, No. 14)

LOCATION: Lat. 56° 13′ Long. 130° 20′ (104B/1W)
SKEENA M.D. Forty kilometres northwest of Stewart, at the Leduc Glacier.

CLAIMS: Sixty-four Crown-granted claims plus FRED 1 to 12, TIDE 83, 85, 87, 89, 91, KEY 5 to 78, 95 to 98, 115 to 118, 135 to 138, PORTAL 1 to 3, KIT 2 FR., KIT 3 to 6, KIT 7 FR., KIT 9 FR., KIT 10, 11, KIT 12 FR., KIT 13 to 17, LEDUC 1 to 5, 7, 9, 11, QUEEN 1 to 6, 9, 10, 13 FR., 14 FR., 20, 24, McK 5, 6, JETTY 4, SEABEE 3 to 6, 8, BOB 1 to 6, 7 FR., DUKE 18 FR., REGINA 1 FR., 2, ORPHAN 1, 2, JP 1 to 4, 6, 7, LOG 5, SWEET MARIE 1.

OWNER: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METAL: Copper.

DESCRIPTION: Mineralization comprises pyrite, chalcopyrite, and magnetite within a thin unit of fine-grained siliceous or fragmental exhalites. The latter series, typically deformed into isoclinal upright-plunging folds, occurs above a sequence of varied mafic volcanic and locally ultramafic rocks. The siliceous rocks are in turn overlain by the Granduc limestone and associated tuffaceous and argillaceous beds.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; ground magnetometer survey, 12 kilometres, covering Kit 2 to 6, 7 Fr., 9 Fr., 10, 11; underground probing radar survey, covering Key.

REFERENCES: Mineral Inventory 104B-21; *Minister of Mines, B.C.*, Ann. Rept., 1968, pp. 46-50; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, pp. 54-56; 1970, pp. 68-70; 1973, pp. 497-499; Assessment Reports 89, 90, 96, 302, 328, 340, 3739, 7483, 7544.

TELEGRAPH CREEK 104G

WHITE (Fig. E-1, NTS 104, No. 17)

LOCATION: Lat. 57° 40′ Long. 130° 28′ (104G/9W)
LIARD M.D. Fifty kilometres southeast of Telegraph Creek, just west of Kakiddi Lake.

CLAIM: WHITE (20 units).

OWNER: SUNEVA RESOURCES LIMITED, 333, 885 Dunsmuir Street, Vancouver.

DESCRIPTION: The property is underlain by Upper Triassic dacitic pyroclastic rocks steeply dipping to the west and capped by Cenozoic basalt flow rocks.

WORK DONE: Geochemical survey, 286 soil samples analysed for zinc, copper, molybdenum, gold, and silver.

REFERENCE: Assessment Report 7585.

SPECTRUM (Fig. E-1, NTS 104, No. 15)

LOCATION: Lat. 57° 41' Long. 130° 29' (104G/9W)
LIARD M.D. Forty-five kilometres southeast of Telegraph Creek, 3.5 kilometres southwest of Nuttlude Lake.

CLAIMS: RED DOG (2 units), RED DOG (17 units), CAMP (12 units).

OWNERS: Placer Development Limited and El Paso Mining and Milling Company.

OPERATOR: CONSOLIDATED SILVER RIDGE MINES LTD., 333, 885 Dunsmuir Street, Vancouver V6C 1N5.

METALS: Gold, silver, copper.

DESCRIPTION: A thick assemblage of Upper Triassic pyroclastic and flow rocks are intruded by a north-trending dyke of granodiorite of Jurassic/Cretaceous age. Pyrite and chalcopyrite occur as disseminations and fracture fillings in the granodiorite dyke and adjacent wallrocks. Pyrite, arsenopyrite, sphalerite, and galena occur in narrow quartz-calcite veins in both volcanic and intrusive rocks.

WORK DONE: Surface geological mapping, 1:4800, 1:2000; geochemical survey, 541 soil samples analysed for gold; 2 trenches, 150 metres total length; and surface diamond drilling, 4 BQ holes, totalling 393 metres and 6 NQ holes, totalling 435 metres, on Red Dog.

REFERENCES: Mineral Inventory 104G-36; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 41; 1972, p. 531; Exploration in B.C., 1978, p. E 258; Assessment Reports 7000, 7586.

KLASTLINE (KONA) (Fig. E-1, NTS 104, No. 16)

LOCATION: Lat. 57° 42' Long. 130° 28' (104G/9W)
LIARD M.D. Twenty-five kilometres north-northwest of the centre of Kinaskan Lake, just southwest of Nuttlude Lake.

CLAIMS: HAWK 1 (18 units), HAWK 2 (20 units).

OWNER: NEWHAWK GOLD MINES LTD. (formerly Highhawk Mines Ltd.), 333, 885 Dunsmuir Street, Vancouver V6C 1N5.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: North and northwest-trending quartz veins cut Upper Triassic volcanic and pyroclastic rocks which have been intruded by northeast-trending dykes of Jurassic to Cretaceous quartz monzonite. Individual veins range from 10 centimetres to over 1 metre in width. They generally contain fairly massive sections of pyrite, arsenopyrite, and sphalerite with lesser amounts of galena and chalcopyrite in a quartz-calcite gangue.

WORK DONE: 1978 – geological mapping, 1:2000 (over 6 units) and 242 soil samples analysed for molybdenum, copper, zinc, and silver, covering Hawk 1; 1979 – geological mapping, 1:4800, 1:2000, and 1:100; underground work, 41.5 metres of crosscutting and 31.7 metres of drifting; and road construction, 3.3 kilometres, covering Hawk 1; road construction, 1.3 kilometres, on Hawk 2.

REFERENCES: Mineral Inventory 104G-5, 6; Assessment Reports 201, 7189.

LIARD (Fig. E-1, NTS 104, No. 18)

LOCATION: Lat. 57° 39' Long. 131° 25' (104G/11W)
LIARD M.D. Thirty-two kilometres southwest of Telegraph Creek, at the headwaters of Arrival Creek.

CLAIMS: HEL 1 to 7 (132 units).

OWNER: AQUITAINE COMPANY OF CANADA LTD., 540 Fifth Avenue SW, Calgary, Alberta.

DESCRIPTION: Tertiary Sloko Group volcanic, pyroclastic, and flow rocks overlie Cretaceous clastic rocks of the Sustut Group and a base of folded volcanic and sedimentary rocks of Triassic and Jurassic age. Some uranium oxide mineralization occurs in the upper conglomerate formation of the Sustut Group.

WORK DONE: Surface geological mapping, covering all claims; geochemical surveys, 640 soil and 360 stream sediment samples analysed for uranium; airborne radiometric survey; ground scintillometer survey; and radon gas scintillometry survey, covering Hel 1-4.

REFERENCE: Assessment Report 7708.

SPATSIZI RIVER 104H

BONANZA, ELDORADO (Fig. E-1, NTS 104, No. 19)

LOCATION: Lat. 57° 45' Long. 129° 38' (104H/12E, 13E)
LIARD M.D. Twenty kilometres east of Eddontenajon Lake, 2.5 kilometres west of the Klappan River.

CLAIMS: BONANZA, ELDORADO (20 units each).

OWNER: Texasgulf Canada Ltd.

OPERATOR: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver V6E 3J7.

METAL: Copper.

DESCRIPTION: Disseminated chalcopyrite and pyrite and very minor pyrrhotite occur in altered feldspar augite porphyry and augite andesite porphyry.

WORK DONE: Geochemical survey, 94 soil samples analysed for copper, molybdenum, and zinc, covering both claims.

REFERENCES: Mineral Inventory 104H-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 187; 1976, p. E 186; 1977, p. E 227; Assessment Reports 6016, 6368.

HI (Fig. E-1, NTS 104, No. 20)

LOCATION: Lat. 57° 47' Long. 129° 50' (104H/13W)
LIARD M.D. One kilometre north of Ealue Lake.

CLAIMS: HI 1 to 4 (4 units), LOW (1 unit), CHANCE (1 unit), SHORE (3 units), CORE (4 units), SUN (8 units), WIT (6 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Copper, (gold, zinc).

DESCRIPTION: The property is underlain by Upper Triassic conglomerates, tuffaceous sandstones, greywackes, siltstones, minor black shales, limy clastic rocks, and limestones overlying augite andesites and derived volcaniclastic rocks. On the western precipitous slope of the Hi 1 and 3 claims is a skarn zone over 100 metres thick, composed of various calc-silicate rocks and cut by a hornblende syenite sill and shearing. Above the sill high-grade copper mineralization occurs in northwesterly trending shear zones. Above the skarn zone the sedimentary sequence becomes more clastic and coarse grained. Pyrite occurs in shear veins in andesite rocks, and chalcopyrite occurs in and adjacent to shear veins in pods, fracture fillings, and as stringers.

WORK DONE: Geochemical surveys, 198 soil samples analysed for copper and zinc, and 15 rock samples analysed for gold, copper, and zinc; linecutting, 9.1 kilometres, covering Hi 1, Low, Chance, Core, Shore.

REFERENCES: Mineral Inventory 104H-14; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 188; Assessment Reports 5703, 6124, 6203, 7418.

MFJ, EALUE LAKE, KLAPPAN, ROSE (Fig. E-1, NTS 104, No. 21)

LOCATION: Lat. 57° 47' Long. 129° 52' (104H/13W)
LIARD M.D. On Ehaheizetle Mountain, between Ealue Lake and Eddontenajon Lake.

CLAIMS: ROSE OF KLAPPAN (20 units), LANCASTRIAN ROSE (3 units), WESTERN (10 units), ORGY (2 units), ROSE OF YORK (3 units), LAST ROSE OF SUMMER (9 units), UNION (15 units), KING RICHARD III (1 unit), BOSWORTH FIELD (2 units), TUDOR (6 units), KING HENRY VII (6 units), CHECK (8 units), ROGER (3 units), OKAY (1 unit), YACU (4 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, (gold).

DESCRIPTION: Small irregular bodies of hornblende monzonite intrude a thick pile of Mesozoic volcanic and volcaniclastic rocks. Some intrusive bodies show strong quartz-sericite-pyrite alteration. Chalcopyrite occurs in quartz vein stockworks in monzonite and adjacent volcanic rocks.

WORK DONE: Induced polarization survey, 3.66 kilometres, covering Rose of Klappan and Last Rose of Summer; geochemical survey, 2 258 soil samples covering Last Rose of Summer, Orgy, Western, King Henry VII.

REFERENCES: Mineral Inventory 104H-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 42; Exploration in B.C., 1975, p. E 187; 1976, p. E 188; 1977, pp. E 228, E 229; Assessment Reports 3128, 6093, 6511, 7375, 7517.

CRY LAKE 104I

SMRB (Fig. E-1, NTS 104, No. 22)

LOCATION: Lat. 58° 12′ Long. 128° 23′ (104I/1W)
LIARD M.D. Twenty-one kilometres south-southeast of Rainbow Lakes, at the headwaters of a westerly flowing tributary of Kutcho Creek. The SMRB claims are surrounded by the Jeff, the KC, and the MC claims.

CLAIMS: SMRB 1 to 16, KC 1 to 8, 12 to 17, 19 to 33, 60, 62, 64, 66, 68, 70, 81 to 92, 97 to 99, 102 to 106, 108 to 121, KC 122 (3 units), MC 1 to 5 (24 units).

OWNER: SUMAC MINES LTD., Box 10150, Pacific Centre, 1650, 701 West Georgia Street, Vancouver V7Y 1C6.

METALS: Copper, zinc, gold, silver.

DESCRIPTION: The property is underlain by felsic, mafic, and pelitic schists which occur as part of a succession of volcaniclastic and sedimentary rocks. Mineralization is composed of massive pyritic sulphides, copper, and zinc which occur in sericite quartz schist. The mineralization appears to be volcanogenic.

WORK DONE: Surface diamond drilling, 11 BQ holes totalling 2 662 metres, on SMRB claims; geophysical surveys (charged potential), 16.4 kilometres; and linecutting, 10.3 kilometres, covering KC 12 to 17, 20 to 33.

REFERENCES: Mineral Inventory 104I-60; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 189; 1976, p. E 190; 1977, p. E 231; 1978, p. E 261; GEM, 1973, p. 510; 1974, p. 348; Assessment Reports 5778, 6025, 6026, 6038, 6039.

JEFF (Fig. E-1, NTS 104, No. 23)

LOCATION: Lat. 58° 12′ Long. 128° 22′ (104I/1W)
LIARD M.D. Twenty-one kilometres southeast of the south end of Rainbow Lakes, at the head of a westward flowing tributary of Kutcho Creek.

CLAIMS: JEFF 1 to 9, 13 to 138, KRIS 1 to 9, 11 to 16, JENN 1 to 9, LIN 11, 39, 40, REX 1 to 4 Fractions, MOC 1 (6 units), STU 1 (6 units), ANDREA 1 (14 units), SVELA 1 (6 units), CGL 1 (12 units), CGL 2 (10 units), LIN 1 Fraction, CGL 1 Fraction.

OWNER: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, zinc, silver, (lead, gold, cadmium).

DESCRIPTION: Ten sulphide zones within rhyolitic tuffs, with minor basaltic flows and tuffs, occur at five stratigraphical levels. Four massive sulphide zones of economic significance occur along the same stratigraphical horizon near the top of the last volcanic cycle.

WORK DONE: Surface diamond drilling; 1 BQ hole and 2 wedged branches totalling 819 metres, on Jeff 92; 3 BQ holes and 23 wedged branches totalling 5 665 metres, on Jeff 94; and 2 BQ holes totalling 368 metres, on Jeff 109.

REFERENCES: Mineral Inventory 104I-61; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 189; 1977, p. E 230; 1978, p. E 260; Assessment Reports 4863, 5120, 5294, 5475, 5641, 5778, 6025, 6026, 6038, 6039, 6273, 6343, 6373, 7433, 7437, 7537, 7599.

OWL, NUP (Fig. E-1, NTS 104, No. 29)

LOCATION: Lat. 58° 19′ Long. 129° 37′ (104I/5E)
LIARD M.D. Forty-seven kilometres southwest of Cry Lake, 12 kilometres south of Dome Mountain.

CLAIMS: SNOW 1 (18 units), SNOW 2 (18 units), TANZILLA (20 units), TANZILLA 2 (20 units), TANZILLA 3 (16 units), TANZILLA 4 (20 units), TANZILLA 5 (16 units), TANZILLA 6 (20 units), TANZILLA 7 (20 units).

OWNER: CANADIAN SUPERIOR EXPLORATION LIMITED, 1800, 701 West Georgia Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: A large gossan overlies a felsic volcanic rock sequence (?) within a sequence of andesitic flow rocks and near the contact with granodiorite intrusive rocks (McBride River Pluton).

WORK DONE: Surface geological mapping, 1:10 000; and geochemical survey, 84 rock samples analysed for molybdenum, copper, zinc, gold, silver; covering Snow 1 and 2, Tanzilla 4-7.

REFERENCES: Mineral Inventory 104I-23; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 539; 1973, p. 511; Exploration in B.C., 1975, p. E 190; Assessment Reports 4644, 4645, 4659, 4660, 4661, 4662, 5769.

JOY (EAGLE) (Fig. E-1, NTS 104, No. 24)

LOCATION: Lat. 58° 30′ Long. 129° 10′ (104I/6E, 11E)
LIARD M.D. Twenty kilometres south of Cry Lake, 3.5 kilometres southeast of Eaglehead Lake.

CLAIMS: EAGLE 1 to 79, 81, 83, 85, 87, 89 to 144, 149 to 152, 160.

OWNERS: Esso Minerals Canada Limited and Nuspar Resources Ltd.

OPERATORS: NUSPAR RESOURCES LTD., 305, 535 Thurlow Street, Vancouver V6E 3L2 and ESSO RESOURCES CANADA LIMITED, 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, molybdenum, (silver).

DESCRIPTION: Pyrite, chalcopyrite, bornite, and minor molybdenite mineralization of the porphyry type occurs in altered biotite quartz diorite phase of a large, differentiated stock (Jurassic).

WORK DONE: Geochemical survey, 276 soil samples analysed for copper and molybdenum and 68 silt samples analysed for copper, molybdenum, and zinc, plus induced polarization survey and linecutting, 11.95 kilometres, covering Eagle 47-56, 58, 60, 62, 64, 66, 79, 81, 83, 85, 87, 89, 131-138; surface diamond drilling, 5 BQ holes, totalling 877 metres, on Eagle 95-98.

REFERENCES: Mineral Inventory 104I-8; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 190; 1976, p. E 192; Assessment Reports 585, 3476, 4256, 5353, 6086, 6192, 7826.

WOLF, KID (Fig. E-1, NTS 104, No. 30)

LOCATION: Lat. 58° 37′ Long. 128° 14′ (104I/9E)
LIARD M.D. One hundred and sixty-one kilometres south of Watson Lake, Yukon Territory, 5 kilometres southwest of the confluence of the Cassiar and Turnagain Rivers.

CLAIMS: EK 1 (6 units), CUB (18 units), TOP 1 (16 units), TOP 2 (15 units), TOP 3 (18 units).

(104I/9E)

OWNER: UNION CARBIDE CANADA LIMITED, 390, 800 West Pender Street, Vancouver V7C 2V6.

METAL: Tungsten.

DESCRIPTION: Cub and Ek claims – phyllitic and chloritic schists and minor calc-silicates are in contact with a Cretaceous quartz monzonite stock. Scheelite occurs within thin bands of calc-silicate hornfels. Top 1 to 3 claims – quarzite, quartz-muscovite schist, calc-silicate hornfels, and skarn are in contact with a quartz monzonite body of the Cassiar batholith. Sporadic scheelite mineralization occurs in a prominent calc-silicate unit roughly 50 metres thick within the schist rocks.

WORK DONE: Surface geological mapping, 1:10 000, covering Top 1-3; geochemical survey, stream sediments analysed for scheelite grain counts, 8 chip samples analysed for tungsten and molybdenum, and 123 soil samples panned for scheelite grain counts and analysed for tungsten and molybdenum, covering Cub and 512 soil samples analysed for molybdenum and tungsten, covering Top 2; electromagnetic survey (VLF–EM), covering Cub.

REFERENCES: Mineral Inventory 104I-24; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 264; Assessment Reports 6592, 7680, 7786.

CLIFF (Fig. E-1, NTS 104, No. 31)

LOCATION: Lat. 58° 41′ Long. 128° 01′ (104I/9E)
LIARD M.D. Six kilometres northeast of the confluence of Cassiar and Turnagain Rivers.

CLAIMS: W 1 (4 units), W 2 (8 units), CANYON 1 (6 units), CLIFF 1 (18 units).

OWNER: UNION CARBIDE CANADA LIMITED, 930, 800 West Pender Street, Vancouver V7C 2V6.

DESCRIPTION: The property is underlain by Lower Paleozoic quartz-biotite schist, quartzite, and impure carbonates in contact with the Cassiar batholith. Sparse scheelite occurs in calc-silicate hornfels and garnet skarn rocks.

WORK DONE: Surface geological mapping, 1:10 000, covering Canyon and W 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.* Exploration in B.C., 1978, p. E 264; Assessment Reports 6953, 7682.

MAY (Fig. E-1, NTS 104, No. 33)

LOCATION: Lat. 58° 41′ Long. 128° 05′ (104I/9E)
LIARD M.D. Three kilometres north of the confluence of Turnagain and Cassiar Rivers.

CLAIMS: RAM 15, 20, 101 to 103, 105, ELIZA 1 to 4, 6, MAY 1, 3, 5, 7, 10, 14.

OWNER: UNION CARBIDE CANADA LIMITED, 930, 800 West Pender Street, Vancouver V7C 2V6.

METAL: (Tungsten).

DESCRIPTION: Argillaceous limestone (Hadrynian) in fault contact with schist and phyllite rocks (Proterozoic) is thrust upon dolomite (Lower Cambrian) and finally intruded by a quartz monzonite stock (Cretaceous). Sparse scheelite occurs in skarn and quartz veins.

WORK DONE: Surface diamond drilling (NQ and BQ), 4 holes, totalling 897.9 metres, and surface geological mapping, 1:1500, covering Ram claims.

REFERENCES: Mineral Inventory 104I-70; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 190; 1977, p. E 233; Assessment Reports 5473, 5781, 6455, 6507, 6755, 7510.

EWE (Fig. E-1, NTS 104, No. 32)

LOCATION: Lat. 58° 41′ Long. 128° 07′ (104I/9E)
LIARD M.D. Three kilometres northwest of the confluence of Turnagain and Cassiar Rivers.

CLAIMS: SHEEP 1 to 4, EWE 1, 3, 4, to 8, LAMB Fraction.

OWNER: G. A. Noel.

OPERATOR: UNION CARBIDE CANADA LIMITED, 930, 800 West Pender Street, Vancouver V7C 2V6.

METAL: Tungsten.

DESCRIPTION: Skarns containing scheelite mineralization occur in a schist-phyllite unit in contact with quartz monzonite intrusive rock.

WORK DONE: Surface geological mapping; 1:1500, covering all claims.

REFERENCES: Mineral Inventory 104I-25; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 41; Assessment Reports 5473, 5781, 6507, 6755, 7510, 7672.

NIZ (Fig. E-1, NTS 104, No. 34)

LOCATION: Lat. 58° 58′ Long. 129° 00′ (104I/14E, 15W)
LIARD M.D. Fifty-nine kilometres southeast of Cassiar, just east of Nizi Creek.

CLAIMS: BEALE 1 to 4 (20 units each).

OWNER: J. W. Stollery.

OPERATOR: CORDILLERAN ENGINEERING LIMITED, 1418, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Zinc, lead, copper, silver, gold.

DESCRIPTION: The property is underlain by intermediate to felsic volcanic flow rocks and andesite tuffs. A major diorite body butts against these rock types to the southeast. Sphalerite with minor galena occurs mainly as vein or shear-filling from a few centimetres to 1 metre wide, predominantly within silicified dacitic rocks. Abundant silver often accompanies galena-rich mineralization. Chalcopyrite occurs erratically with pyrite in small discontinuous quartz veins. Gold values up to 10 grams per tonne have been recorded from pyrite-rich quartz veins, from a few centimetres to 0.5 metre wide. Several gossans (after pyrite ?) on the property are often associated with strong topographic lineations (faults ?).

WORK DONE: Surface geological mapping, 1:5000; linecutting, 22.3 kilometres; and geochemical survey, 93 stream sediment samples analysed for gold (some for lead and silver), 592 soil or talus samples analysed for gold and manganese (some for lead and silver), and 63 rock chip samples assayed for gold, covering all claims.

REFERENCES: Mineral Inventory 104I-32; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 545, 546; Assessment Reports 2789, 3404, 4096, 7818.

DEASE LAKE 104J

STIKINE (Fig. E-1, NTS 104, No. 35)

LOCATION: Lat. 58° 12′ Long. 130° 17′ (104J/1W)
LIARD M.D. Thirty-two kilometres southwest of Dease Lake, at the headwaters of Pallen Creek.

CLAIMS: STIKINE (20 units), STIKINE 2 (12 units), STIKINE 3 (20 units), STIKINE 4 (8 units), STIKINE 5 (8 units).

OWNER: WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.

METAL: (Molybdenum).

DESCRIPTION: Porphyritic quartz monzonite to diorite rocks intrude volcanic/sedimentary rocks of the Triassic Stikine Group. Rare quartz veins and fractures contain spots of molybdenite and chalcopyrite. Alteration is limited.

WORK DONE: Geochemical survey, 280 samples analysed for molybdenum; VLF–EM and magnetometer survey, 21.9 kilometres, and induced polarization survey, 22.9 kilometres, covering Stikine and Stikine 3, 4; surface geological mapping, 1:10 000, covering Stikine and Stikine 2-5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 264, E 265; Assessment Reports 6873, 7459.

PAT (Fig. E-1, NTS 104, No. 36)

LOCATION: Lat. 58° 12′ Long. 131° 37′ (104J/4E)
ATLIN M.D. Forty kilometres northwest of Telegraph Creek, immediately northwest of Kennicott Lake.

CLAIMS: SKI 1 to 9 (159 units).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, (gold, silver).

DESCRIPTION: The claims are underlain by Triassic and Tertiary volcanic rocks. A medium-grained monzonite has associated copper mineralization.

WORK DONE: Surveying, 12 kilometres, covering Ski 1, 5, 7-9; linecutting, 52.5 kilometres, covering Ski 7-9; surface geological mapping, 1:5000; induced polarization survey, 122 kilometres; and ground magnetometer survey, 122.4 kilometres, covering Ski 1-9; geochemical survey, 1 250 samples analysed for copper, covering Ski 1, 3, 7-9.

REFERENCES: Mineral Inventory 104J-15; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 234; 1978, p. E 265; Assessment Report 6835.

MACK (Fig. E-1, NTS 104, No. 112)

LOCATION: Lat. 58° 28′ Long. 130° 25′ (104J/8W)
LIARD M.D. Twenty-five kilometres west of the south end of Dease Lake, just east of Snow Peak.

CLAIMS: MACK 1 to 6 (6 units), 7 and 8 (2 units), 7 FR. and 8 FR. (2 units), 11, 13, 15, 17, 18, 20, 22, 24, 34, 1 FR., 2 FR. (11 units).

OWNER: TORMEX RESOURCES LTD., 1511, 745 Fifth Avenue SW, Calgary, Alberta.

METALS: Molybdenum, tungsten, gold, copper.

DESCRIPTION: The property is underlain by granodiorite containing sparse molybdenite, wolframite, and gold mineralization in fractures.

WORK DONE: Trenching, 7 by 1.2 by .09 metres, on Mark 3; prospecting and 2 pits, covering Mark 2-6.

REFERENCES: Mineral Inventory 104J-14; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 551; Exploration in B.C., 1977, p. E 236; Assessment Reports 3207, 3848, 6354, 7657.

TULSEQUAH 104K

PAT, NAN (Fig. E-1, NTS 104, No. 37)

LOCATION: Lat. 58° 26′ Long. 133° 22′ (104K/6W)
ATLIN M.D. At Mount Ogden, east of British Columbia–Alaska boundary.

CLAIMS: MOLY 1 to 4 (41 units), TAKU 1 and 2 (36 units), BORDER 1 to 13 (214 units).

OWNER: F. Onucki.

OPERATOR: OMNI RESOURCES LTD., 1409, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Molybdenum, tungsten.

DESCRIPTION: A small stock of alaskite and associated dykes intrude Cretaceous and Early Tertiary metasedimentary rocks. Molybdenite, scheelite, and pyrite mineralization occurs in fractured contact rocks.

WORK DONE: Reconnaissance geological mapping, 70 square kilometres, covering Moly 1-4, Taku 1, 2, Border 2-4, 8, 9, 12, 13; prospecting, 15 square kilometres, covering Taku 1, 2, Border 9; surface diamond drilling (NQ), totalling 580.5 metres, underground diamond drilling (BQ), totalling 589.3 metres; and underground work, 158 metres (2.1 metres by 2.7 metres plus two diamond-drill stations), on Taku 1; topographical control surveys, covering Border 3, Taku 1; 96 rock samples, covering Moly 4, Border 8, 9.

REFERENCES: Mineral Inventory 104K-13, 47, 57, 58, 59; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 236; 1978, p. E 266; Assessment Reports 383, 1627, 6639, 7175.

GRAG (Fig. E-1, NTS 104, No. 38)

LOCATION: Lat. 58° 31′ Long. 133° 20′ (104K/11W)
ATLIN M.D. Located 16.1 kilometres southeast of Tulsequah, covering the western limb of the Sittakanay Glacier.

CLAIMS: GRAG 1 to 4 (64 units).

OWNERS: W. Kuhn and F. Onucki.

OPERATOR: NORTHERN HORIZON RESOURCE CORPORATION, 405, 550 Burrard Street, Vancouver.

METALS: Copper, molybdenum, (lead, zinc).

DESCRIPTION: Pyrite, pyrrhotite, chalcopyrite, molybdenite, galena, and sphalerite mineralization occurs in quartz veins, in fractures, and as disseminations associated with intrusive rocks in contact with volcanic rocks.

WORK DONE: Surface geological mapping, 1:20 000; and 14 rock samples analysed for molybdenum, copper, nickel, and silver, covering all claims.

REFERENCES: Mineral Inventory 104K-68; Assessment Report 7558.

ERICKSEN–ASHBY (Fig. E-1, NTS 104, No. 39)

LOCATION: Lat. 58° 40′ Long. 133° 28′ (104K/11W)
ATLIN M.D. Five kilometres northeast of Tulsequah, on the west side of Ericksen Creek.

CLAIMS: E–A 1 (4 units), EA 2 (8 units).

OWNER: G. H. Rayner & Associates Ltd.

OPERATOR: SEMCO MINING CORPORATION, 713, 744 West Hastings Street, Vancouver V6C 1A5.

METALS: Silver, lead, zinc, copper.

DESCRIPTION: Stuhini volcanic and older limestone and chert rocks are cut by a large tabular intrusion of fine-grained quartz monzonite rock. Massive pyrite, sphalerite, galena, and freibergite mineralization occurs in limestone immediately below volcanic rocks.

WORK DONE: Surface geological mapping, 1:1200, covering both claims.

REFERENCES: Mineral Inventory 104K-9; *Minister of Mines, B.C.*, Ann. Rept., 1929, p. C 119; 1931, p. 63; 1948, p. 65; 1951, p. 74; 1952, p. 76; Assessment Reports 543, 7707.

SKAGWAY 104M

SILT (Fig. E-1, NTS 104, No. 40)

LOCATION: Lat. 59° 58' Long. 135° 37' (104M/13E)
ATLIN M.D. One hundred and twelve kilometres west-northwest of Atlin, just northeast of the junction of Primrose River and Silt Lake.

CLAIMS: SILT 1 to 4 (20 units each).

OWNER: J. Hanson.

OPERATOR: PINTO RESOURCES LTD., 101, 1687 West Broadway, Vancouver.

DESCRIPTION: Traces of molybdenite, sphalerite, galena, chalcopyrite, fluorite, and cassiterite occur disseminated and in veins within fractured, pyritic, leucocratic granite.

WORK DONE: 1978 – surface geological mapping, 1:8000; prospecting, silt samples analysed for molybdenum, silver, and tin, covering Silt 1.

REFERENCE: Assessment Report 7336.

JONES (Fig. E-1, NTS 104, No. 42)

LOCATION: Lat. 59° 57' Long. 135° 18' (104M/14W)
ATLIN M.D. Thirty-eight kilometres southwest of Carcross, Yukon Territory, at the southwest end of Partridge Lake in British Columbia.

CLAIMS: JONES 1 (20 units), JONES 2 (20 units).

OWNER: E&B EXPLORATIONS LTD., 400 Fourth Avenue SW, Calgary, Alberta T2P 0J4.

DESCRIPTION: The property is underlain by locally brecciated quartz monzonite and rhyolite and andesite dykes.

WORK DONE: Twelve stream sediment samples analysed for uranium and surface geological mapping, 1:10 000, covering Jones 1.

REFERENCE: Assessment Report 7321.

TOM (Fig. E-1, NTS 104, No. 41)

LOCATION: Lat. 59° 55' Long. 135° 09' (104M/14E)
ATLIN M.D. Thirty-seven kilometres southwest of Carcross, Yukon Territory, just south of Tom Thumb Mountain in British Columbia.

CLAIM: TOM 1 (20 units).

OWNER: E&B EXPLORATIONS LTD., 400 Fourth Avenue SW, Calgary, Alberta T2P 0J4.

DESCRIPTION: The claim is underlain by five phases of intrusive granitic rocks and three phases of volcanic rocks including rhyodacite, andesite, and diatreme breccia. The rocks contain minor showings of molybdenite and chalcopyrite.

WORK DONE: Geochemical survey, 74 stream sediment samples analysed for uranium and thorium and surface geological mapping, 1:10 000, covering Tom 1.

REFERENCE: Assessment Report 7385.

GRIDIRON, SILVER QUEEN (Fig. E-1, NTS 104, No. 43)

LOCATION: Lat. 59° 55' Long. 134° 57' (104M/15W)
ATLIN M.D. Eighteen kilometres north of Bennett, straddling Bennett Lake.

CLAIMS: NET 1 (15 units), NET 2 (12 units), NET 3 (18 units), NET 5 (4 units), NET 6 (12 units).

OWNER: E&B EXPLORATIONS LTD., 400 Fourth Avenue SW, Calgary, Alberta T2P 0J4.

DESCRIPTION: The property covers a metasedimentary/plutonic rock contact. Narrow and sporadic aplite and pegmatite dykes cut a complex intrusive system. Minor chalcopyrite, galena, silver, and sphalerite occur in skarn zones. High radiometric response is associated with aplite and pegmatite dykes.

WORK DONE: Surface diamond drilling, 1 hole, totalling 123.83 metres, on Net 5 and 6.

REFERENCES: Mineral Inventory 104M-1, 2; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 53; Exploration in B.C., 1978, p. E 267; Assessment Reports 6882, 6883, 7417.

ATLIN 104N

TAY (Fig. E-1, NTS 104, No. 45)

LOCATION: Lat. 59° 18' Long. 132° 50' (104N/7W)
ATLIN M.D. Located about 57 kilometres southeast of Atlin and 10 kilometres east of Bell Lake.

CLAIM: TAY (20 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: One outcrop found in the area covered by the Tay property is vesicular olivine basalt of probable Late Tertiary age. The extent of the basalt is unknown.

WORK DONE: Surface diamond drilling, 1 EX hole, totalling 61.2 metres; 4 water samples analysed for uranium and fluorine and 2 stream sediment samples analysed for uranium, cobalt, and fluorine; and surface geological mapping, 1:12 500, covering Tay.

REFERENCE: Assessment Report 7279.

CAP (Fig. E-1, NTS 104, No. 44)

LOCATION: Lat. 59° 20' Long. 132° 53' (104N/7W)
ATLIN M.D. Located 57 kilometres southeast of Atlin, and 5 kilometres northeast of Bell Lake.

CLAIM: CAP (20 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: Two outcrops found in the area of the Cap mineral claims are vesicular olivine basalt of probable Late Tertiary age. The rest of the area is covered by recent glacial and fluvioglacial deposits. The basaltic flows probably overlie intrusive rocks of granodiorite and quartz diorite composition.

WORK DONE: Surface diamond drilling, 2 EX holes, totalling 77.4 metres; 2 water samples analysed for uranium and fluorine and 1 stream sediment sample analysed for uranium, tungsten, copper, molybdenum, and mercury; and surface geological mapping, 1:12 500, covering Cap.

REFERENCE: Assessment Report 7280.

ROB (Fig. E-1, NTS 104, No. 48)

LOCATION: Lat. 59° 31' Long. 132° 47' (104N/10W)
ATLIN M.D. About 52 kilometres east-southeast of Atlin, on the northeast slope of Mount Sanford.

CLAIM: ROB 1 (20 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by metasedimentary rocks of the Cache Creek Group near an alaskite stock.

WORK DONE: Surface geological mapping, 1:12 500; 17 water samples analysed for uranium and cobalt, 15 stream sediment samples analysed for uranium, cobalt, copper, and lead, and 3 rock samples analysed for lead, gold, cobalt, and uranium, covering Rob 1.

REFERENCE: Assessment Report 7281.

SAL (Fig. E-1, NTS 104, No. 47)

LOCATION: Lat. 59° 31′ Long. 133° 00′ (104N/10W)
ATLIN M.D. Forty kilometres east-southeast of Atlin, on Mount Farnsworth.

CLAIM: SAL 1 (18 units).

OWNER: NORANDA MINES LIMITED, 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

DESCRIPTION: The area is underlain by Paleozoic Cache Creek pyritic shale, chert, and quartzite in fault contact with fossiliferous limestone and limestone breccia.

WORK DONE: Geochemical survey, 11 rock samples analysed for copper, molybdenum, silver, nickel, cobalt, manganese, and tungsten and 16 stream sediment samples analysed for copper, molybdenum, silver, nickel, and cobalt; ground radiometric survey, covering Sal 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 269; Assessment Report 7370.

HIR (Fig. E-1, NTS 104, No. 50)

LOCATION: Lat. 59° 32′ Long. 132° 56′ (104N/10W)
ATLIN M.D. Forty-four kilometres east of Atlin, on Hirschfeld Creek, 3 kilometres west of Line Lake.

CLAIM: HIR (16 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The area of Hir claim is underlain by metasedimentary rocks of the Cache Creek Group. In the centre of the area the metasedimentary rocks are overlain by Tertiary olivine basalt. The basalt flow rocks appear to have been extruded on a glaciated surface. Even though no uranium mineralization was noted on the property, there was potential for uranium in old channel gravels. However, the one hole drilled to a depth of 62 metres failed to penetrate through the basalts.

WORK DONE: Surface diamond drilling, 1 EX hole, totalling 62 metres; surface geological mapping, 1:12 500; 9 water samples analysed for uranium and 5 stream sediment samples analysed for uranium, cobalt, copper, and lead, covering Hir.

REFERENCE: Assessment Report 7285.

FAR (Fig. E-1, NTS 104, No. 49)

LOCATION: Lat. 59° 32′ Long. 133° 00′ (104N/10W)
ATLIN M.D. Forty kilometres east-southeast of Atlin, on Mount Farnsworth.

CLAIM: FAR (20 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The area is underlain by folded metasedimentary rocks of the Cache Creek Group. Rare chalcopyrite and malachite staining occurs in cherty argillites.

WORK DONE: Surface geological mapping, 1:12 500; 7 water samples analysed for cobalt, uranium, and fluorine, 2 stream sediment samples analysed for cobalt, uranium, and molybdenum, and 2 rock samples analysed for copper, lead, gold, uranium, and thorium, covering Far.

REFERENCE: Assessment Report 7284.

ZEN (Fig. E-1, NTS 104, No. 51)

LOCATION: Lat. 59° 43′ Long. 132° 58′ (104N/10W)
ATLIN M.D. Located 45 kilometres east-northeast of Atlin, and 10 kilometres south of Marble Dome Mountain.

CLAIMS: ZEN 1 (18 units), ZEN 2 (4 units), ZEN 3 (4 units).

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: Zeunerite and/or metazeunerite occur at a contact between coarse and fine-grained alaskite. Contact is marked by a few narrow quartz veins and by rusty limonite fault zones. Zeunerite occurs mainly in nearby zones.

WORK DONE: Prospecting, covering Zen 1-3; 2 trenches, 8 by 1.5 by 1.5 metres and 4 by 0.5 by 0.75 metres, on Zen 3.

CY (Fig. E-1, NTS 104, No. 46)

LOCATION: Lat. 59° 40′ Long. 133° 00′ (104N/10W)
ATLIN M.D. Located 42 kilometres east-northeast of Atlin, on Mount Weir.

CLAIMS: ENG 1 to 3 (49 units), CY 1 to 9 (146 units).

OWNER: NORANDA MINES LIMITED, 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

METALS: Uranium, molybdenum, lead, zinc.

DESCRIPTION: The area is underlain by the Surprise Lake batholith. Sphalerite, galena, and magnetite are disseminated in dyke-like bodies. Secondary uranium minerals occur with molybdenite.

WORK DONE: Surface geological mapping, 1:12 000; geochemical survey, 241 soil, 23 silt, and 60 rock samples; ground magnetometer survey; surveying, 15 kilometres; 4 trenches, covering Eng 1-3 and CY 3, 5-9; ground radiometric and radon gas surveys, covering CY 6.

REFERENCES: Mineral Inventory 104N-87; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 239; 1978, p. E 269; Assessment Reports 6898, 7412, 7556.

WHI, CANDY (Fig. E-1, NTS 104, No. 57)

LOCATION: Lat. 59° 42' Long. 133° 00' (104N/10W, 11E, 14E) ATLIN M.D. Several blocks of noncontiguous claims located east of Surprise Lake, covering the headwaters of Windy Camp Creek, Cup Creek, Zenazie Creek, McKinley Creek, and north of Terrahina Creek.

CLAIMS: SUE 1, LINCOLN 1 and 2, CROWN 1 to 4, BY 1 and 2, DIXIE 1 and 2, WEIR 1 and 3, HINA 1 and 2, ZEN 1, SNOWBIRD 1 and 2, TERRA 1 and 2, GUM 1 (approximately 384 units).

OWNER: Comaplex Resources International Ltd.

OPERATOR: ST. JOSEPH EXPLORATIONS LIMITED, 970 Laval Crescent, Kamloops V2C 5P5.

METALS: Molybdenum, tungsten.

DESCRIPTION: The claims are underlain by the Late Cretaceous/Early Tertiary Surprise Lake batholith which includes alaskite, porphyritic alaskite, aplite, and minor quartz feldspar porphyry, felsic, and mafic dykes. Small amounts of molybdenite, powellite, chalcopyrite, and beryl were identified.

WORK DONE: Surface geological mapping, 1:12 000; geochemical survey, 446 silt and 41 soil samples analysed for uranium, molybdenum, lead, zinc, iron, and copper; and airborne magnetometer and gamma ray spectrometer survey, covering all claims.

REFERENCES: Mineral Inventory 104N-17, 65, 66; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 557; Assessment Reports 2332, 2333, 2334, 3568, 3730, 3731, 7486.

KRANS (WHI) (Fig. E-1, NTS 104, No. 68)

LOCATION: Lat. 59° 47' Long. 132° 55' (104N/10W, 14E, 15W) ATLIN M.D. The claims are approximately 47 kilometres northeast of Atlin, extending from the headwaters of Chehalis Creek southeastward to Zenazie Creek.

CLAIMS: KRANS 1 to 4 (20 units each), KRANS 5 and 6 (5 units each), KRANS 7 to 10 (12 units each), KRANS 11 and 12 (16 units each), KRANS 13 to 16 (20 units each).

OPERATOR: CCH RESOURCES LTD., A-105, 355 Burrard Street, Vancouver V6C 2G6.

DESCRIPTION: The Krans claims are underlain mainly by granitic rocks of the Surprise Lake batholith, the contact of the batholith with sedimentary and intrusive rocks to the northeast. Drift cover is extensive.

WORK DONE: Surface geological mapping, 1:25 000; geochemical survey, 1 790 soil and stream sediment samples analysed for tin, tungsten, copper, lead, zinc, silver, molybdenum, arsenic, and some for lithium and fluorine, covering all claims.

REFERENCES: Mineral Inventory 104N-65; Assessment Report 7345.

B&B, D&D (Fig. E-1, NTS 104, No. 58)

LOCATION: Lat. 59° 39′ Long. 133° 08′ (104N/11E)
ATLIN M.D. Several noncontiguous claim blocks located about 34 kilometres east-northeast of Atlin, at the headwaters of Quartz and Moose (Pillman) Creeks.

CLAIMS: D&D (20 units), D&D&D (9 units), B&B (20 units) B&T (9 units).

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: The claims are underlain by alaskite rocks of the Surprise Lake batholith. The alaskite is locally limonitic, manganiferous, and altered to pale green colour.

WORK DONE: Prospecting, ground radiometric survey; geochemical surveys, 230 soil and stream sediment samples analysed for uranium, covering all claims.

REFERENCES: Assessment Reports 7352, 7353, 7448, 7456.

RUN (Fig. E-1, NTS 104, No. 52)

LOCATION: Lat. 59° 44′ Long. 133° 07′ (104N/11E)
ATLIN M.D. Thirty-eight kilometres northeast of Atlin, 2 kilometres east of Surprise Lake, on Horse Creek.

CLAIMS: RUN 1 to 8, ED (12 units), DE 1 to 8, RUSH 7 and 8.

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: The claims are underlain mainly by coarse-grained alaskite of the Surprise Lake batholith. Small, poorly defined areas of fine-grained alaskite and two small lenses (?) of pegmatite were noted.

WORK DONE: Prospecting, 39 silt samples analysed for uranium, and ground radiometric survey, covering all claims.

REFERENCES: Assessment Reports 7350, 7355.

SURPRISE 2 (Fig. E-1, NTS 104, No. 56)

LOCATION: Lat. 59° 37′ Long. 133° 20′ (104N/11W)
ATLIN M.D. Northeast of Atlin, 1.5 kilometres south of Surprise Lake and east of Wright Creek.

CLAIM: SURPRISE 2 (9 units).

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: The claim is underlain by alaskite and by Cache Creek metavolcanic and metasedimentary rocks at the southwest contact of the Surprise Lake batholith.

WORK DONE: Prospecting; 11 stream sediment samples and 1 rock sample analysed for uranium; ground radiometric survey, covering Surprise 2.

REFERENCE: Assessment Report 7354.

SURPRISE 1 (Fig. E-1, NTS 104, No. 55)

LOCATION: Lat. 59° 40′ Long. 133° 21′ (104N/11W)
ATLIN M.D. Located about 23 kilometres northeast of Atlin, at the mouth of Ruby Creek.

CLAIM: SURPRISE 1 (18 units).

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: The claim is underlain by alaskite of the Surprise Lake batholith, remnants of Paleozoic Cache Creek metasedimentary and volcanic rocks, and locally by small areas of ultramafic rocks.

WORK DONE: Prospecting; 17 stream sediment and 4 rock samples analysed for uranium; ground radiometric survey, covering Surprise 1.

REFERENCE: Assessment Report 7653.

LEO, DAM, BOU (Fig. E-1, NTS 104, No. 60)

LOCATION: Lat. 59° 41′ Long. 133° 23′ (104N/11W)
ATLIN M.D. Twenty-two kilometres northeast of Atlin, south and east of Ruby Mountain.

CLAIMS: DAM (10 units), BOU (15 units), LEO (12 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

DESCRIPTION: The claims were staked to cover a large cinder cone with associated basaltic flow rocks and part of an alaskite batholith. Metasedimentary rocks of the Cache Creek Group are intruded by Cretaceous alaskite rocks; these units are capped by glacial till. A skarn developed at the contact of the alaskite and metasedimentary rocks contains minor mineralization of pyrrhotite, chalcopyrite, galena, scheelite, sphalerite, and wolframite.

WORK DONE: Surface diamond drilling, 2 BQ holes, totalling 115.8 metres, on Leo; surface geological mapping, 1:12 500; and geochemical surveys, 24 water samples analysed for uranium and fluorine, 13 stream sediment samples analysed for uranium, tungsten, cobalt, and mercury, and 6 rock samples analysed for lead, zinc, copper, uranium, cobalt, molybdenum, and gold, covering all claims.

REFERENCE: Assessment Report 7282.

TUNGSTEN (GARNET), NORTH, SILVER DIAMOND (Fig. E-1, NTS, 104, No. 54)

LOCATION: Lat. 59° 41′ Long. 133° 26′ (104N/11W)
ATLIN M.D. Located 17 kilometres northeast of Atlin, south of Mount Leonard.

CLAIMS: CINBAR (9 units), CB (18 units), CB 2 (18 units), CB 3 (9 units), YKR 3 to 7 (5 units), YKR 1 FR., PAT 1 to 12 (12 units), PAT 13 FR., PAT 14 FR., PAT 15 FR.

OPERATOR: YUKON REVENUE MINES LIMITED, 117 Industrial Road, Whitehorse, Yukon Territory Y1A 2T8.

METALS: Tungsten, molybdenum, tin, copper, lead, zinc, silver, gold.

DESCRIPTION: The property is underlain by Cache Creek Group greenstone, small stocks of peridotite, and Cretaceous alaskite intrusive rocks. Scheelite and wolframite, with silver and gold values occur in quartz veins within the alaskite. Scheelite and copper, lead, and zinc sulphides occur in skarn zones.

WORK DONE: Surface geological mapping, covering Cinbar, CB, Pat, YKR; Winkie diamond drilling, 6 holes, totalling 112 metres, on Cinbar; linecutting, 12 000 metres; induced polarization survey, 10 000 metres; and trenching, 2 100 square metres, covering Cinbar and CB; geochemical survey, 580 soil samples analysed for molybdenum, tungsten, and tin, covering Cinbar, CB 2, 3, and Pat; roads rebuilt, 7 kilometres, on Cinbar, CB, and Pat.

REFERENCES: Mineral Inventory 104N-53, 54, 56, 69; *Minister of Mines, B.C.*, Ann. Rept., 1950, p. 72 (Black Diamond); 1964, p. 8; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 30 (Bub); 1972, p. 557; Assessment Reports 1763, 2462, 2672, 2852, 3571, 3732, 4553.

PER, EYE (Fig. E-1, NTS 104, No. 59)

LOCATION: Lat. 59° 42′ Long. 133° 18′ (104N/11W)
ATLIN M.D. Located 27 kilometres northeast of Atlin at the headwaters of Cracker Creek.

CLAIMS: PER (20 units), EYE (4 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T8.

DESCRIPTION: The Per and Eye claims cover a small cinder cone and part of an alaskite body. The whole area is underlain by metasedimentary rocks of the Cache Creek Group and Permian metamorphosed mafic rocks. Minor exposures of these two rock types are present in the northwest corner of the property. Overburden/alluvial and glacial gravels cover the property, especially in topographically lower areas. There are no known showings of mineralization on the property.

WORK DONE: 1978 – surface geological mapping, 1:12 000; and geochemical surveys, 18 water samples analysed for uranium and fluorine, 10 stream sediment samples analysed for uranium, cobalt, tungsten, and mercury, 2 rock samples analysed for uranium, cobalt, and lead, covering Per; 1979 – surface diamond drilling, 3 BQ holes, totalling 83.5 metres, on Per.

REFERENCE: Assessment Report 7278.

BLIZZ (Fig. E-1, NTS 104, No. 63)

LOCATION: Lat. 59° 43′ Long. 133° 16′ (104N/11W)
ATLIN M.D. About 30 kilometres northeast of Atlin, in the Cracker Creek valley.

CLAIMS: BLIZZ 1 (16 units), WMC 2 (16 units).

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: Radioactivity is associated with pyritic clay-rich alaskite near a pendant of the Paleozoic Cache Creek rocks.

WORK DONE: Prospecting and trenching, 12 by 1.6 by 0.7 metres, covering both claims.

REFERENCE: Assessment Report 7479.

ADANAC, ADERA (Fig. E-1, NTS 104, No. 61)

LOCATION: Lat. 59° 43′ Long. 133° 24′ (104N/11W)
ATLIN M.D. Twenty-four kilometres northeast of Atlin, at the headwaters of Ruby Creek.

CLAIMS: ADERA, KEY, MATT, CM, HOBO, PACIFIC, BOY, ZAP, CLAIR, JAN, THOR, plus Placer Leases 1559, 1560, 1561, 1562, 1563, and 1564.

OWNERS: Johns-Manville Canada Inc., Placer Development Limited, and Adanac Mining and Exploration Ltd.; Placer Leases owned by Placer Development Limited.

OPERATOR: PLACER DEVELOPMENT LIMITED, 700, 1030 West Georgia Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by the Tertiary Mount Leonard Boss composite plug consisting of quartz monzonite relating to the Surprise Lake batholith. Molybdenite occurs in a wide variety of fractures and quartz veins cutting several rock types.

WORK DONE: Surface diamond drilling, 39 NQ holes, totalling 5 098.6 metres, on Adera 3, 5 Fraction, and 6 and 10 NQ holes, totalling 676.6 metres, on Adera 9, 11, Hobo 66, 75, 76, Claire 2 Fraction, and Jan; Placer Leases 1559, 1560, 1562, and 1653 were tested for the depth of overburden for plant and tailings site.

REFERENCES: Mineral Inventory 104N-52; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 351; Exploration in B.C., 1977, pp. E 240, E 241; Assessment Reports 1763, 1764, 1991, 2387, 2576, 2852, 3425, 3571, 4253, 5351, 7727, 7807.

RUST (Fig. E-1, NTS 104, No. 53)

LOCATION: Lat. 59° 44′ Long. 133° 16′ (104N/11W)
ATLIN M.D. Located 32 kilometres northeast of Atlin, on Cracker Creek.

CLAIMS: RUST 1A (6 units), RUST 2 (10 units), RUST 3 (10 units), RUST 4 (10 units), RUST 5 (10 units).

OWNER: United Rayore Gas Ltd.

OPERATOR: R. H. SERAPHIM ENGINEERING LIMITED, 316, 470 Granville Street, Vancouver.

DESCRIPTION: Minor amounts of lead, zinc, and copper are present in an easterly trending quartz vein in alaskite on Rust 2 claim. Minor amounts of kasolite are present on fracture planes in limonite areas.

WORK DONE: Two small trenches, 5 metres long by 1.5 metres wide by .06 metre deep and 1 metre long by 1 metre wide by 1 metre deep, on Rust 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 241; 1978, p. E 271; Assessment Report 6977.

MISTAKE (Fig. E-1, NTS 104, No. 62)

LOCATION: Lat. 59° 44′ Long. 133° 19′ (104N/11W)
ATLIN M.D. Approximately 32 kilometres northeast of Atlin, northwest of Cracker Creek.

CLAIMS: MISTAKE 1 (16 units), SHEAR 1 (3 units).

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: The claims are underlain by alaskite of the Cretaceous Surprise Lake batholith and pendants of Paleozoic rocks.

WORK DONE: Prospecting for uranium on Mistake 1 and Shear 1.

REFERENCE: Assessment Report 7480.

VOL (Fig. E-1, NTS 104, No. 66)

LOCATION: Lat. 59° 46′ Long. 133° 25′ (104N/14W)
ATLIN M.D. Located 26 kilometres northeast of Atlin, at the headwaters of Volcanic Creek.

CLAIM: VOL (18 units).

OWNER: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The area of the claim is underlain by metasedimentary rocks of the Cache Creek Group, intruded by a Jurassic (?) quartz monzonite stock. Basaltic flow rocks and scoria of probable Pleistocene age cover the central and northwestern portions of the property. Disseminated molybdenite is present in the intrusive rocks near the south boundary of the claim. Associated minerals include pyrite, chalcopyrite, arsenopyrite, and rare scheelite. Channel gravels in the northwestern part of the claim were once worked for placer gold.

WORK DONE: 1978 – surface geological mapping, 1:12 500; and geochemical surveys, 17 water samples analysed for uranium, fluorine, and cobalt, 12 stream sediment samples analysed for uranium, cobalt, molybdenum, tungsten, and mercury, and 1 rock sample analysed for uranium, molybdenum, and tungsten, covering Vol; 1979 – surface diamond drilling, 2 BQ holes, totalling 96.6 metres, on Vol.

REFERENCE: Assessment Report 7283.

IRA (Fig. E-1, NTS 104, No. 65)

LOCATION: Lat. 59° 47' Long. 133° 15' (104N/14W)
ATLIN M.D. Immediately west of the north end of Surprise Lake.

CLAIMS: IRA (9 units), IRA 2 to 6 (58 units).

OWNER: Malabar Mines Ltd.

OPERATOR: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

METAL: Uranium.

DESCRIPTION: The secondary uranium mineral kasolite is locally associated with quartz veining and fluorite in areas of fine and coarse-grained alaskite. The alaskite is altered, well fractured, and limonitic.

WORK DONE: Surface diamond drilling, 3 BQ holes, totalling 148 metres, on Ira 5; geochemical survey, 189 soil samples analysed for uranium; and ground radiometric survey, 13 kilometres, covering Ira and Ira 2, 5, and 6.

REFERENCES: Mineral Inventory 104N-88; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 241; 1978, p. E 271; Assessment Reports 6426, 6885, 7598.

BRAVO (Fig. E-1, NTS 104, No. 67)

LOCATION: Lat. 59° 57' Long. 133° 19' (104N/14W)
ATLIN M.D. Fifty-two kilometres northeast of Atlin, on the west side of Laidlaw Lake.

CLAIMS: BRAVO 1 to 4 (20 units each).

OWNER: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta.

DESCRIPTION: There are few rock outcrops on the property. Bedrock is probably Paleozoic Cache Creek chert argillite, chert pebble conglomerate, and chert breccia in or near contact with Jurassic granitic rocks.

WORK DONE: Ground scintillometer survey, 10 kilometres and geochemical survey, 373 soil samples analysed for uranium and molybdenum, covering Bravo 1-3.

REFERENCE: Assessment Report 7526.

ORE (Fig. E-1, NTS 104, No. 64)

LOCATION: Lat. 59° 46' Long. 133° 14' (104N/14E)
ATLIN M.D. Thirty-three kilometres northeast of Atlin, on the west shore of Surprise Lake.

CLAIM: ORE (6 units).

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: The claim is underlain by alaskite rock of the Surprise Lake batholith.

WORK DONE: Eight soil and 5 silt samples analysed for uranium and ground radiometric survey, 49 stations, covering southwest unit of Ore.

REFERENCE: Assessment Report 7452.

LY (Fig. E-1, NTS 104, No. 69)

LOCATION: Lat. 59° 46' Long. 132° 52' (104N/15W)
ATLIN M.D. Fifty-two kilometres northeast of Atlin, north side of Zenazie Creek.

CLAIM: LY 1, LY (20 units).

OWNER: Noranda Exploration Company, Limited.

OPERATOR: MATTAGAMI LAKE MINES LIMITED, 502, 8215–112th Street, Edmonton, Alberta T6G 2C8.

DESCRIPTION: The claim is underlain by Cretaceous alaskite intrusive rocks in contact with Paleozoic Cache Creek sedimentary rocks.

WORK DONE: Geochemical surveys, 50 stream sediment samples analysed for uranium and 5 rock samples analysed for uranium, copper, lead, zinc, molybdenum, and silver, covering LY 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 272; Assessment Report 7369.

LINC (Fig. E-1, NTS 104, No. 70)

LOCATION: Lat. 59° 47' Long. 132° 59' (104N/15W)
ATLIN M.D. Forty-eight kilometres northeast of Atlin, at the headwaters of Lincoln (Chehalis) Creek.

CLAIMS: LINC 1 (12 units), LINC 2 (2 units), LINC 3 (4 units).

OWNER: R. H. SERAPHIM, 316, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: The claims are underlain by alaskite intrusive rock including quartz veins and pyritic areas of alteration.

WORK DONE: Surface geological mapping; geochemical surveys, 29 soil and 9 rock samples analysed for uranium; trenching; and ground radiometric survey, 1.6 kilometres (168 stations), covering Linc 1.

REFERENCE: Assessment Report 7470.

JENNINGS RIVER 104O

ASP (Fig. E-1, NTS 104, No. 72)

LOCATION: Lat. 59° 05' Long. 130° 25' (104O/1W)
LIARD M.D. Five kilometres east of Tuya Lake, just south of Edasp Lake.

CLAIMS: ASP 1 (18 units), ASP 2 (18 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The area is underlain by foliated coarse-grained biotite quartz monzonite and pegmatite of the Cassiar batholith.

WORK DONE: Surface geological mapping; geochemical surveys; 15 stream sediment samples analysed for copper, molybdenum, lead, zinc, silver, uranium, thorium, tin, and tungsten; 14 stream water samples analysed for uranium, fluorine, and arsenic; 22 soil samples analysed for copper, molybdenum, lead, zinc, silver, uranium, thorium, tin, and tungsten; and 7 rock samples analysed for uranium, fluorine, and thorium, covering both claims.

COT (Fig. E-1, NTS 104, No. 71)

LOCATION: Lat. 59° 14' Long. 130° 26' (104O/1W)
LIARD M.D. Four kilometres east of High Tuya Lake.

CLAIMS: COT (18 units), COT 2 (18 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by highly fractured Cretaceous biotite quartz monzonite and granite of the Parallel Creek batholith intruding carboniferous metasedimentary and metavolcanic rocks of the Oblique Creek Formation.

WORK DONE: Surface geological mapping; geochemical surveys, 5 rock samples analysed for uranium, thorium, and fluorine; 16 stream sediment samples analysed for copper, molybdenum, lead, zinc, silver, uranium, thorium, tin, and tungsten; and 14 stream water samples analysed for uranium, fluorine, and arsenic, covering both claims.

SHEEP (Fig. E-1, NTS 104, No. 73)

LOCATION: Lat. 59° 13' Long. 131° 23' (104O/3W)
LIARD M.D. Six kilometres east-southeast of Kedahda Lake, south of Sheephorn Creek.

CLAIMS: SHEEP 1 (20 units), SHEEP 2 (20 units).

OWNER: CANADIAN SUPERIOR EXPLORATION LIMITED, 1800, 701 West Georgia Street, Vancouver.

DESCRIPTION: A large gossan overlies ferruginous units of the Kedahda Formation along the southern flank of the Glundebery batholith. Spotty anomalous molybdenum geochemistry is associated with quartz veins filling transverse fractures to a major structure in the area.

WORK DONE: Surface geological mapping, 1:10 000; and geochemical survey, 53 rock samples analysed for molybdenum, tungsten, silver, gold, and tin, covering both claims.

LOU (Fig. E-1, NTS 104, No. 74)

LOCATION: Lat. 59° 14′ Long. 131° 20′ (104O/3W)
ATLIN M.D. Ten kilometres north of Metah Mountain, between Glundebery and Sheephorn Creeks.

CLAIMS: LOU 1 to 4 (16 units each).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Skarns occur at contact between a gossanous granite complex (Cretaceous) and limy sedimentary rocks (Mississippian/Devonian). The skarns contain some tin, tungsten, uranium, and molybdenum minerals.

WORK DONE: Re-analysis for molybdenite of 160 pulp samples collected during 1978.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 273; Assessment Report 7379.

ZIP (Fig. E-1, NTS 104, No. 75)

LOCATION: Lat. 59° 21′ Long. 131° 31′ (104O/5E)
ATLIN M.D. South of Jennings River, 6.5 kilometres southeast of Aconitum Lake.

CLAIMS: ZIP 1 (20 units).

OWNER: WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver.

WORK DONE: Geochemical survey, soil samples collected and analysed for base metals, 12.5 kilometres, covering Zip 1.

AUGUST (Fig. E-1, NTS 104, No. 110)

LOCATION: Lat. 59° 22′ Long. 131° 35′ (104O/5E)
ATLIN M.D. Seven kilometres northwest of the north end of Kedahda Lake.

CLAIMS: AUGUST (12 units), BEN (8 units), CD (4 units).

OWNER: S. G. Diakow.

OPERATORS: S. G. DIAKOW and B. KENNEDY, 2878 West 38th Avenue, Vancouver.

METALS: Silver, lead, zinc.

DESCRIPTION: Geology in this area consists of the carboniferous Kedahda Formation hornfels, quartzite, chert, argillite, and shale intruded by a granite stock. Minor multielement mineralization occurs in the fractured metasedimentary rocks.

WORK DONE: Geochemical survey, 305 soil samples analysed for silver, lead, zinc, and arsenic, covering all claims.

REFERENCES: Mineral Inventory 104O-26; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 242; Assessment Reports 6957, 7685.

MLM (Fig. E-1, NTS 104, No. 76)

LOCATION: Lat. 59° 22′ Long. 131° 40′ (104O/5E) ATLIN M.D. Five kilometres southwest of Aconitum Lake, south of Jennings River.

CLAIMS: MLM 1 and 2 (16 units each).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The claims are located at the contact between the Glundebery (?) batholith and limy sedimentary rocks (Mississippian/Devonian).

WORK DONE: Surface geological mapping; 1:10 000; and geochemical survey, 30 samples, covering both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 273; Assessment Report 7380.

MAR (Fig. E-1, NTS 104, No. 78)

LOCATION: Lat. 59° 19′ Long. 130° 08′ (104O/8E) LIARD M.D. Twenty-seven kilometres northeast of Tuya Lake, between Blue River and Maria Creek.

CLAIMS: MAR 1 and 2 (18 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by a complex assemblage of biotite (± muscovite), quartz monzonite, and monzonite (Cassiar batholith) which include xenoliths and screens of biotite (± muscovite), granodiorite gneiss, schist, and augen gneiss of sedimentary origin.

WORK DONE: Geological mapping and geochemical survey, 6 rock samples analysed for uranium, fluorine, thorium, copper, molybdenum, lead, zinc, silver, tin, and tungsten, covering both claims.

KB (Fig. E-1, NTS 104, No. 77)

LOCATION: Lat. 59° 26' Long. 130° 04' (104O/8E)
LIARD M.D. Forty-two kilometres northeast of Tuya Lake, north of Blue River.

CLAIMS: KB 1 (20 units).

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

DESCRIPTION: The claims are underlain by the contact between Lower Cambrian metasedimentary rocks and the Cretaceous Cassiar batholith. The main calcareous unit is a 8 to 9-metre-thick interbedded marble amphibolite and garnet-pyroxene skarn band exposed for 244 metres in the creek bottom. Mineralization consists of scattered clots of pyrrhotite, rare pods of black sphalerite associated with quartz-rich skarn, and trace amounts of scheelite in the darker coloured skarn bands.

WORK DONE: Geological mapping on air photograph base, covering entire claim.

SHAR 3, 4, and 9 (Fig. E-1, NTS 104, No. 81)

LOCATION: Lat. 59° 41' Long. 130° 09' (104O/9E)
LIARD M.D. Twenty-eight kilometres east of Jennings Lakes, covering a ridge north of Toozaza Creek.

CLAIMS: SHAR 3 (18 units), SHAR 4 (18 units), SHAR 9 (18 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by Silurian dolomite and Devonian/Mississippian greenstone and slate-argillite. These are intruded by Cretaceous biotite quartz monzonite and muscovite aplite (Cassiar batholith).

WORK DONE: Surface geological mapping; and geochemical surveys, 10 rock samples analysed for lead, zinc, arsenic, uranium, fluorine, and tungsten; 4 heavy mineral samples analysed for copper, molybdenum, lead, zinc, silver, gold, uranium, thorium, tin, and tungsten; 17 stream sediment samples analysed for copper, molybdenum, lead, zinc, uranium, thorium, silver, tin, and tungsten; 17 stream water samples analysed for uranium, vanadium, fluorine, and silver; and 33 soil samples analysed for copper, molybdenum, lead, zinc, silver, uranium, thorium, tin, and tungsten, covering all claims.

KC Fig. E-1, NTS 104, No. 80)

LOCATION: Lat. 59° 31' Long. 130° 27' (104O/9W)
LIARD M.D. Seventeen kilometres south of Jennings Lakes.

CLAIMS: KC 1 to 16.

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METAL: (Zinc).

DESCRIPTION: Minor sphalerite was noted in narrow bands of grey marble, within a 457.2-metre-thick section of rusty weathering graphitic phyllites, schists, metacherts, and impure sandstones. Pyrite and pyrrhotite content up to 5 per cent is common and several boulders of 40 per cent pyrrhotite were present in talus. Mineralization occurs in the carboniferous Oblique Creek Formation, 805 metres west of the Cassiar batholith.

WORK DONE: Surface geological mapping, 1:2640, on air photograph base.

SHAR 5 and 6 (Fig. E-1, NTS 104, No. 79)

LOCATION: Lat. 59° 39' Long. 131° 09' (104O/11E)
ATLIN M.D. Twelve kilometres north of the west end of Klinkit Lake.

CLAIMS: SHAR 5 (18 units), SHAR 6 (18 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by quartzite, graphitic metapelite, and vesicular volcanic flow rocks.

WORK DONE: Surface geological mapping; and geochemical surveys, 1 heavy mineral sample analysed for copper, molybdenum, lead, zinc, silver, tin, tungsten, gold, uranium, and thorium; 19 stream sediment samples analysed for copper, molybdenum, lead, zinc, silver, tin, tungsten, and thorium; 15 stream water samples analysed for uranium, fluorine, and arsenic; 23 soil samples analysed for copper, molybdenum, lead, zinc, silver, tin, tungsten, uranium, and thorium; and 9 rock samples analysed for copper, uranium, 7 for fluorine, and 2 for tungsten, covering both claims.

SHAR 7 and 8 (Fig. E-1, NTS 104, No. 82)

LOCATION: Lat. 59° 45' Long. 131° 10' (104O/11E)
ATLIN M.D. Twenty kilometres north-northwest of Klinkit Lake, at the western headwaters of Redfish Creek.

CLAIMS: SHAR 7 (18 units), SHAR 8 (18 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by biotite-hornblende granodiorite in contact with older, regionally metamorphosed metasedimentary rocks.

WORK DONE: Surface geological mapping; and geochemical surveys, 1 heavy mineral sample analysed for copper, molybdenum, lead, zinc, silver, uranium, and thorium; 18 stream water samples analysed for uranium, fluorine, and arsenic; 20 soil samples analysed for copper, molybdenum, lead, zinc, silver, uranium, thorium; and 12 rock samples analysed for copper, uranium, fluorine, covering both claims.

TAN (Fig. E-1, NTS 104, No. 83)

LOCATION: Lat. 59° 51′ Long. 130° 45′ (104O/15E)
ATLIN and LIARD M.D. Six kilometres west of Tootsee Lake.

CLAIMS: PLATE 1, PLATE 2 (18 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

METAL: Antimony.

DESCRIPTION: The claims are underlain by a folded and faulted assemblage of quartzite and graphitic pelite rocks which have been intruded by sills, dykes, and stocks of hornblende diorite, quartz feldspar porphyry, and quartz veins.

WORK DONE: Surface geological mapping; geochemical surveys, 2 heavy mineral samples analysed for copper, molybdenum, lead, zinc, silver, gold, uranium, thorium, tin, and tungsten; 25 stream sediment samples analysed for copper, molybdenum, lead, zinc, astatine, uranium, thorium, tin, and tungsten; 24 stream water samples analysed for uranium, fluorine, and arsenic; 10 soil samples analysed for copper, molybdenum, lead, zinc, silver, uranium, thorium, tin, and tungsten, covering all claims.

REFERENCES: Mineral Inventory 104O-6; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 56; Assessment Report 3045.

TOOTS 1 and 2 (Fig. E-1, NTS 104, No. 85)

LOCATION: Lat. 59° 57′ Long. 130° 35′ (104O/15E)
LIARD M.D. Nine kilometres north of the west end of Tootsee Lake.

CLAIMS: TOOTS 1 (20 units), TOOTS 2 (20 units).

OWNER: CASSIAR ASBESTOS CORPORATION LIMITED, 200, 1055 West Hastings Street, Vancouver V6E 3V3.

DESCRIPTION: The claims are situated on strongly fractured and faulted granodiorite of the Cassiar batholith. Galena-sphalerite mineralization occurs in a fault zone.

WORK DONE: Geochemical surveys, 168 soil samples analysed for copper, lead, zinc, silver, molybdenum, and tungsten and 16 rock samples analysed for copper, lead, zinc, and silver, covering both claims.

SHAR 1 and 2 (Fig. E-1, NTS 104, No. 86)

LOCATION: Lat. 59° 57′ Long. 130° 38′ (104O/15E)
LIARD M.D. Nine kilometres north-northwest of the west end of Tootsee Lake.

CLAIMS: SHAR 1 (18 units), SHAR 2 (18 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by a fine-grained foliated granodiorite.

WORK DONE: Surface geological mapping; and geochemical survey, 5 heavy mineral samples analysed for copper, molybdenum, lead, zinc, silver, tin, tungsten, and uranium; 7 stream sediment samples analysed for copper, molybdenum, lead, zinc, silver, tin, tungsten, uranium, and thorium; 5 water samples analysed for uranium, fluorine, and arsenic; 22 soil samples analysed for copper, molybdenum, lead, zinc, silver, tin, tungsten, uranium, and thorium; and 22 rock samples analysed for lead, zinc, silver, and uranium, covering both claims.

ALLEN (Fig. E-1, NTS 104, No. 84)

LOCATION: Lat. 60° 00′ Long. 130° 40′ (104O/15E)
LIARD M.D. Fifteen kilometres north-northwest of Tootsee Lake.

CLAIMS: ALLEN 1 (15 units), ALLEN 2 (15 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The property is underlain by muscovite-biotite granodiorite and quartz monzonite of the Cassiar batholith, cut by diabase-diorite dykes, sills, and pyritic quartz veins.

WORK DONE: Surface geological mapping; geochemical survey, 2 heavy mineral samples analysed for copper, lead, zinc, silver, molybdenum, anorthite, uranium, thorium, tin, and tungsten, 21 stream sediment samples analysed for copper, lead, zinc, molybdenum, uranium, thorium, silver, tin, and tungsten, 14 soil samples analysed for copper, molybdenum, lead, zinc, silver, uranium, thorium, tin, and tungsten, and 22 rock samples analysed for lead, zinc, silver, and uranium, covering all claims.

RAN (Fig. E-1, NTS 104, No. 87)

LOCATION: Lat. 59° 47′ Long. 130° 30′ (104O/15E, 16W)
LIARD M.D. Ten kilometres south of Tootsee Lake.

CLAIMS: RAN 1 (18 units), RAN 2 (18 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by muscovite-biotite granodiorite, augen gneiss, and quartz porphyry cut by galena and pyrite-bearing, vuggy quartz veins (Cretaceous/Jurassic).

WORK DONE: Surface geological mapping; geochemical survey, 3 heavy mineral samples analysed for copper, tin, tungsten, uranium, gold, thorium, and silver, 19 stream sediments analysed for copper, molybdenum, lead, zinc, silver, uranium, and thorium, 27 soil samples analysed for copper, molybdenum, lead, zinc, silver, tin, tungsten, uranium, and thorium, 19 stream water samples analysed for uranium, fluorine, and arsenic, and 12 rock samples analysed for lead, zinc, silver, and uranium, covering both claims.

TOOTS 4 (Fig. E-1, NTS 104, No. 88)

LOCATION: Lat. 59° 55′ Long. 130° 18′ (104O/16W)
LIARD M.D. Seven kilometres east-northeast of the east end of Tootsee Lake.

CLAIM: TOOTS 4 (20 units).

OWNER: CASSIAR ASBESTOS CORPORATION LIMITED, 2000, 1055 West Hastings Street, Vancouver V6E 3V3.

WORK DONE: Geochemical survey, 28 soil samples analysed for copper, lead, zinc, and silver, on Toots 4.

AMY, GEM (Fig. E-1, NTS 104, No. 90)

LOCATION: Lat. 59° 56′ Long. 130° 25′ (104O/16W)
LIARD M.D. Four kilometres northwest of the east end of Tootsee Lake.

CLAIMS: BEAR (2 units), BEAR 2 (1 unit), BLUE (1 unit), BLUE 2 (1 unit), CUB (9 units), COL (6 units), TM (16 units), JM (4 units), RW (10 units), BP (10 units), MAL (15 units), DS 1 (9 units), DS 2 (9 units), ROX (1 unit).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

METALS: Lead, zinc, silver, (tungsten).

DESCRIPTION: Galena, sphalerite, and tetrahedrite mineralization occurs as veins or sulphide zones in limestone to sandy limestone in Cambrian or Devonian/Mississippian rocks at or near the contact with Middle Cretaceous Cassiar batholith. Skarn occurs in scattered zones as replacement of sandy limestone at the roof or walls of the Cassiar batholith in the sedimentary rocks. Skarns are usually diopside-garnet-wollastonite rich with minor scheelite.

WORK DONE: Surface geological mapping, 1:5000, covering Bear, Bear 2, Blue, Blue 2 and approximately 1:15 000, covering all claims; linecutting, 24.2 kilometres (control grid), covering all claims; geochemical survey, 585 soil samples (covering all claims) and 710 soil samples (covering Bear, Bear 2, Blue, Blue 2, Cub) analysed for lead, zinc, tungsten, and molybdenum, 51 silt samples (covering all claims) panned for tungsten, and 72 soil samples (covering Bear, Bear 2, Blue, DS 1) reanalysed for silver; 2 trenches on Bear 2 and 1 trench on Blue.

REFERENCES: Mineral Inventory 104O-4; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 276; Assessment Reports 44, 734, 6798, 7539.

TOOTS 3 (Fig. E-1, NTS 104, No. 89)

LOCATION: Lat. 59° 57' Long. 130° 22' (104O/16W)
LIARD M.D. Eight kilometres northeast of the east end of Tootsee Lake.

CLAIM: TOOTS 3 (20 units).

OWNER: CASSIAR ASBESTOS CORPORATION LIMITED, 2000, 1055 West Hastings Street, Vancouver V6E 3V3.

METALS: Lead, zinc, silver.

DESCRIPTION: Galena-sphalerite mineralization occurs within skarnified fossiliferous limestone and hornfels overlying the eastern boundary of the Cassiar batholith.

WORK DONE: Geochemical survey, 9 soil samples analysed for copper, lead, zinc, silver, molybdenum, and tungsten and 3 rock samples analysed for copper, lead, zinc, and silver, covering Toots 3.

NANCY (Fig. E-1, NTS 104, No. 91)

LOCATION: Lat. 59° 58' Long 130° 26' (104O/16W)
LIARD M.D. Nine kilometres north of the east end of Tootsee Lake.

CLAIMS: LAKE 8, 9, 10, 11 (1 unit each), TOOT 1 (15 units), TOOT 2 (10 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METALS: Molybdenum, tungsten, (lead, zinc, copper).

DESCRIPTION: Molybdenite, galena, sphalerite, chalcopyrite, and scheelite occur in quartz veins, altered quartz monzonite, and garnet-diopside skarn zones.

WORK DONE: 1978 – surface geological mapping, 1:5000; geochemical survey, 1 417 soil samples analysed for molybdenum, copper, lead, zinc, and silver.

REFERENCES: Mineral Inventory 104O-13; Assessment Report 7257.

JCS (Fig. E-1, NTS 104, No. 93)

LOCATION: Lat. 59° 59' Long. 130° 23' (104O/16W)
LIARD M.D. Located 10.5 kilometres north-northeast of Tootsee Lake.

CLAIMS: JCS 1 and 2 (20 units each).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Skarn is developed in sandy limestone of unknown age at the contact with the Cassiar batholith. Scheelite and quartz veins cut diopside to wollastonite skarn containing disseminated scheelite.

WORK DONE: Surface geological mapping, 1:1000; geochemical survey, 603 soil samples analysed for tungsten and molybdenum, covering both claims.

ROOT (Fig. E-1, NTS 104, No. 92)

LOCATION: Lat. 59° 59′ Long. 130° 24′ (104O/16W)
LIARD M.D. Ten kilometres north-northeast of the east end of Tootsee Lake.

CLAIM: ROOT 1 (6 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

DESCRIPTION: The property is underlain by quartz monzonite of the Cassiar batholith and Cambrian to Devonian shales, quartzite carbonates, and derived hornfels and skarn. Stringers and blebs of galena and sphalerite occur in limy, cherty breccia. Scheelite, molybdenite, and powellite are disseminated in skarn zones; molybdenite occurs with quartz veins in quartz monzonite.

WORK DONE: Surface geological mapping, 1:2500; geochemical survey, 94 soil samples analysed for lead, zinc, copper, molybdenum, silver, and tungsten.

REFERENCE: Assessment Report 7673.

McDAME 104P

HUNTER (Fig. E-1, NTS 104, No. 96)

LOCATION: Lat. 59° 10′ Long. 129° 32′ (104P/4E)
LIARD M.D. Twenty kilometres southeast of Cassiar, at the headwaters of Huntergroup Creek.

CLAIM: HUNTER (12 units).

OWNER: SILVER STANDARD MINES LIMITED, 904, 1199 West Hastings Street, Vancouver V6E 3V4.

METAL: Gold.

DESCRIPTION: Gold-bearing quartz veins occupy volcanic-sedimentary rock contact zone.

WORK DONE: Nine trenches, totalling 450 square metres, on Hunter, units 5 and 8.

REFERENCE: Mineral Inventory 104P-34.

CORDOBA (Fig. E-1, NTS 104, No. 97)

LOCATION: Lat. 59° 10′ Long. 129° 41′ (104P/4E)
LIARD M.D. Twelve kilometres southeast of Cassiar, southeast of Vines Lake.

CLAIMS: CORDOBA, TARA, BUNNY (12 units each), PETE (18 units).

OWNER: CUSAC INDUSTRIES LTD., 152, 890 West Pender Street, Vancouver V6C 1J9.

DESCRIPTION: Volcanic rocks of the Sylvester Group contain gold-bearing quartz veins.

WORK DONE: Road construction; prospecting; and linecutting, 24 kilometres, covering all claims; surface geological mapping, covering Cordoba (4 units); geophysical survey, covering Tara and Pete (10 units); geochemical survey, 24 kilometres, covering all claims; surface diamond drilling (NG), 610 metres, on Cordoba and Pete; 15 trenches, averaging 30 by 2.5 by 2 metres, on Cordoba and Tara.

JENNIE, RED HILL, HURRICANE, VOLLAUG (Fig. E-1, NTS 104, No. 95)

LOCATION: Lat. 59° 13′ Long. 129° 39′ (104P/4E)
LIARD M.D. Eleven kilometres southeast of Cassiar, at McDame Lake.

CLAIMS: JENNIE EXTENSION 1 to 4, RED HILL 5 and 6, FG 1 and 2, TOP 1 to 5, NORA, ROCK, GOLDHILL 1 to 4, AA, LAKE, MC, NED 1, VAL, UP, SUN, SNO, KAT, MILL, BIT, NA, TIP 1, GO, SKY, K, plus ADIT NO. 1 (Lot 6540), WEST FR. (Lot 6537), and ADIT NO. 2 (Lot 6539).

OWNERS: Table Mountain Mines Limited and Erickson Gold Mining Corp.

OPERATORS: TABLE MOUNTAIN MINES LIMITED, 904, 1199 West Hastings Street, Vancouver V6E 3V4 and ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: The property is underlain by andesitic and argillitic rocks of the Sylvester Group (Upper Devonian/Lower Mississippian). Tension fractures and shears caused by folding contain native gold, tetrahedrite, and chalcopyrite in ribbon quartz veins.

WORK DONE: Underground development, 708.5 metres, on Hurricane 1 and 2; surface diamond drilling, 1 151 metres, on Hurricane 4; linecutting, 27 kilometres; geochemical survey, 848 soil samples analysed for silver, copper, and arsenic; surface geological mapping, 1:12 000; and ground electromagnetic survey, 27 kilometres, covering most of the property.

REFERENCES: Mineral Inventory 104P-19, 29; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 197; 1977, p. E 245; Assessment Reports 5628, 5704, 5887, 6125, 6641, 7501, 7601, 7816.

RED (Fig. E-1, NTS 104, No. 94)

LOCATION: Lat. 59° 14′ Long. 129° 44′ (104P/4E)
LIARD M.D. Ten kilometres southeast of Cassiar, immediately north of Lang Lake.

CLAIM: RED (4 units).

OWNER: SHELL CANADA RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

WORK DONE: Surface geological mapping.

REFERENCE: Assessment Report 7465.

ROCKY RIDGE (Fig. E-1, NTS 104, No. 102)

LOCATION: Lat. 59° 15′ Long. 129° 41′ (104P/4E, 5E)
LIARD M.D. Ten kilometres east of Cassiar, just northwest of McDame Lake.

CLAIMS: TIN 1 to 4 (1 unit each), VAN (9 units).

OPERATOR: NEWCOAST SILVER MINES LTD., 209, 475 Howe Steet, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Volcanic and sedimentary rocks of the Sylvester Group host numerous auriferous quartz veins.

WORK DONE: Linecutting, 16 kilometres; surface geological mapping, 1:5000; geochemical survey, 361 soil samples analysed for gold, silver, and copper; ground magnetometer survey, 13 kilometres; ground electromagnetic survey, 8 kilometres; and surface diamond drilling, 3 BQ holes, totalling 220.2 metres, covering all claims.

REFERENCES: Mineral Inventory 104P-16; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 197; Assessment Reports 6020, 7809.

ELOISE, CASSIAR MOLY (Fig. E-1, NTS 104, No. 101)

LOCATION: Lat. 59° 12′ Long. 129° 51′ (104P/4W)
LIARD M.D. Nine kilometres north of Cassiar, 7.5 kilometres west of Vines Lake.

CLAIMS: ANGEL 1 and 2 (21 units).

OWNER: B. Elsner.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 615, 555 Burrard Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by porphyritic granite of the Cassiar batholith near its contact with Paleozoic sedimentary and volcanic rocks. Molybdenite occurs in coarse rosettes in quartz veins which occupy narrow shears in latite rock.

WORK DONE: 1978 – 25 samples analysed for molybdenum, tungsten, and fluorine, covering both claims; 1979 – surface geological mapping, 1:400; geochemical survey, 46 soil samples analysed for copper, lead, zinc, silver, molybdenum, and tungsten, 8 rock samples analysed for molybdenum and tungsten, covering Angel 2.

REFERENCES: Mineral Inventory 104P-35; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 41; Exploration in B.C., 1976, p. E 198; Assessment Reports 1700, 2265, 7206.

KA (Fig. E-1, NTS 104, No. 99)

LOCATION: Lat. 59° 14' Long. 129° 55' (104P/4W)
LIARD M.D. Eight kilometres southwest of Cassiar.

CLAIM: KA 1 (20 units).

OWNER: AMAX OF CANADA LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

DESCRIPTION: Cretaceous quartz monzonite envelopes several large xenoliths of Lower Cambrian marble and schist about 5 kilometres west of the main intrusive-sedimentary rock contact. Minor pyrrhotite and scheelite are present in skarn rock developed in the marble xenoliths.

WORK DONE: Geological mapping on air photograph base, covering KA 1.

HUNTSMAN (CANADA GIRL, SQE) (Fig. E-1, NTS 104, No. 100)

LOCATION: Lat. 59° 15' Long. 129° 52' (104P/4W, 5W)
LIARD M.D. Four kilometres south-southwest of Cassiar.

CLAIMS: STORIE (20 units), STORIE 2 (5 units), STORIE 3 (20 units), STORIE 4 (20 units), STORIE 5 (6 units).

OWNER: PLACER DEVELOPMENT LIMITED, 800, 1030 West Georgia Street, Vancouver V6E 3A8.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by the Cassiar stock of quartz monzonite, in contact with Lower Cambrian Atan Group limestone and dolomite. The contact zone is marked by a rusty weathering pyrrhotite-magnetite-bearing skarn with minor scheelite and molybdenite.

WORK DONE: Surface geological mapping, 1:2000, covering Storie 2; reconnaissance mapping, 1:10 000, covering Storie 1, 3, 4, and 5; geochemical survey, 199 soil samples analysed for molybdenum, copper, zinc, lead, nickel, silver, gold, uranium, fluorine, and tungsten, covering Storie 2 and 4, 37 stream sediment samples analysed for molybdenum, copper, zinc, lead, nickel, silver, gold, uranium, fluorine. and tungsten, and 49 rock samples analysed for molybdenum, copper, zinc, lead, nickel, silver, gold, uranium, fluorine, tungsten, bismuth, sodium, and potassium; and topographical surveys, 1:2000 and 1:10 000, covering all claims.

REFERENCES: Mineral Inventory 104P-37; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 56; Geological Fieldwork, 1978, Paper 1979-1, pp. 51-56; Assessment Reports 277, 1962, 1990.

LOW GRADE, RICH (Fig. E-1, NTS 104, No. 98)

LOCATION: Lat. 59° 09' Long. 129° 45' (104P/4)
LIARD M.D. Fifteen kilometres south-southeast of Cassiar, covering the south and southwest side of Needlepoint Mountain.

CLAIMS: NEED 1 (18 units), NEED 2 (18 units), NEED 3 (17 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

METALS: Silver, lead, zinc, beryllium, bismuth, tin.

DESCRIPTION: The claims are underlain by metasedimentary siltstone, chert, sandstone, and carbonate rocks which have been intruded by massive quartz monzonite of the Cassiar batholith. Pyrite and galena occur in hornfels and in sheared intrusive rocks. Molybdenite occurs in kaolinized shears.

WORK DONE: Surface geological mapping; geochemical survey, 39 stream sediment samples analysed for copper, molybdenum, lead, zinc, arsenic, uranium, thorium, tin, and tungsten, 39 stream water samples analysed for uranium, fluorine, and arsenic, 5 heavy mineral samples analysed for copper, molybdenum, lead, zinc, silver, uranium, tin, and tungsten, and 8 rock samples analysed for uranium, molybdenum, and silver, covering all claims.

REFERENCES: Mineral Inventory 104P-26, 46; *Minister of Mines, B.C.*, Ann. Rept., 1955, p. 11; *Geol. Surv., Canada*, Paper 64-54, p. 15; Mem. 319, p. 122.

KAZ (Fig. E-1, NTS 104, No. 105)

LOCATION: Lat. 59° 20' Long. 129° 46' (104P/5W)
LIARD M.D. Eight kilometres northwest of Cassiar.

CLAIMS: KAZ 1 and 2 (18 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by a foliated intercalated greenstone (in part carbonatized), dacite, and metasedimentary quartz carbonate rocks. Abundant pyrite is associated with quartz carbonate stringers and pods.

WORK DONE: Surface geological mapping; geochemical survey, 2 heavy mineral samples analysed for copper, molybdenum, lead, zinc, silver, uranium, thorium, tin, tungsten, and gold, 23 stream sediment samples analysed for copper, molybdenum, lead, zinc, uranium, thorium, silver, tin, and tungsten, and 10 rock samples analysed for copper and gold, covering both claims.

CONTACT (Fig. E-1, NTS 104, No. 106)

LOCATION: Lat. 59° 21' Long. 129° 52' (104P/5W)
LIARD M.D. Located 6.5 kilometres north-northwest of Cassiar.

CLAIMS: WINDY 2 (12 units), WINDY 3 (9 units), WINDY 4 (12 units), BALSAM 1 (12 units), BALSAM 2 (6 units).

OWNER: W. KUHN, Box 48812, Vancouver V7X 1A6.

METALS: Tungsten, copper, lead, zinc, silver, bismuth, antimony, molybdenum, manganese.

DESCRIPTION: The property is underlain by phyllite, quartzite, shale, and carbonate rocks that are intruded by granitic rocks resulting in contact skarn zones.

WORK DONE: 1978 and 1979 – prospecting, including: geochemical survey, ground magnetometer survey, trenching, road building, and linecutting, covering all claims.

REFERENCES: Mineral Inventory 104P-4; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 40; Assessment Report 7520.

STAR, LAMB MTN (Fig. E-1, NTS 104, No. 107)

LOCATION: Lat. 59° 23′ Long. 129° 53′ (104P/5W)
LIARD M.D. Twelve kilometres north-northwest of Cassiar.

CLAIMS: M 1 (20 units), M 2 (12 units), M 3 (20 units), M 4 (12 units).

OWNER: UNION CARBIDE CANADA LIMITED, 404, 1112 West Pender Street, Vancouver.

METALS: Molybdenum, tungsten.

DESCRIPTION: The claims are underlain by clastic and carbonate rocks (Lower Cambrian) and quartz monzonite granodiorite intrusive rocks of the Cassiar batholith (Jurassic/Cretaceous). Scheelite occurs in garnetite skarn zones, and molybdenite is disseminated in small greissen zones in porphyritic rocks.

WORK DONE: EM–VLF 16 survey; geochemical survey, 299 soil samples analysed for molybdenum and tungsten; and surface diamond drilling, 7 holes, totalling 1 052.5 metres, on all claims.

REFERENCES: Mineral Inventory 104P-3; *Minister of Mines, B.C.*, Ann. Rept., 1962, p. 6; Assessment Report 7242.

BOZO (Fig. E-1, NTS 104, No. 103)

LOCATION: Lat. 59° 17′ Long. 129° 39′ (104P/5E)
LIARD M.D. Three kilometres northwest of the confluence of Snowy Creek and McDame Creek.

CLAIM: BOZO (2 units).

OWNER: C. BERUBE, Box 72, Granisle V0J 1W0.

DESCRIPTION: A quartz vein in volcanic rocks contains sparse gold, silver, antimony, and copper minerals.

WORK DONE: One trench, 20 by 3.5 by 3 metres, on Bozo.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 277.

CORNUCOPIA, COPCO (HANNA) (Fig. E-1, NTS 104, No. 104)

LOCATION: Lat. 59° 17' Long. 129° 40' (104P/5E)
LIARD M.D. Ten kilometres east of Cassiar, on Snowy Creek.

CLAIMS: COPCO 1 to 6, ATLAS 1 to 12 , ROY 1 to 4, ROY Fraction, TOD 7 and 8 , THRUSH, and HANNA 9 (9 units).

OWNER: Taurus Resources Ltd.

OPERATOR: UNITED HEARNE RESOURCES LTD., 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Gold, silver.

DESCRIPTION: A number of parallel east-west steeply dipping faults cut andesitic rocks of the Sylvester Group (Devonian and Mississippian). Quartz veins occupy a number of these breaks. Post-quartz movement has fractured the quartz and introduced pyrite followed by gold, tetrahedrite, and minor amounts of sphalerite and chalcopyrite. The veins appear to be offset at intervals as a result of a series of north-south shear zones.

WORK DONE: Surface geological mapping, 1:4800, covering Copco 1-6, Thrush, and Hanna 9; surface diamond drilling, 10 NQ and BQ holes, totalling 993 metres, on Copco 1 and 5, Roy Fraction, and Thrush; underground development (raises), 57 metres, on Copco 1 and 2; 14 trenches, totalling 3 200 metres, on Copco 1, 3, 5, 6, Thrush, and Hanna 9.

REFERENCES: Mineral Inventory 104P-12; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 354; Exploration in B C., 1978, p. E 278; Assessment Reports 5493, 6974, 7545.

DOME, REED (Fig. E-1, NTS 104, No. 108)

LOCATION: Lat. 59° 17' Long. 129° 28' (104P/6W)
LIARD M.D. Immediately south and southwest of Mount Reed, approximately 25 kilometres east of the townsite of Cassiar.

CLAIMS: J (12 units), REED 1 (15 units), REED 2 (12 units).

OWNERS: J. Ashton, A. MacDonald, and Canadian Superior Exploration Limited.

OPERATOR: CANADIAN SUPERIOR EXPLORATION LIMITED, 1800, 701 West Georgia Street, Vancouver.

METALS: Molybdenum, tungsten.

DESCRIPTION: Molybdenite and scheelite mineralization occurs in skarn zones at the contact of quartz porphyry granite (Mount Reed intrusion) and limestone of the Atan Group. Significant mineralization appears to be controlled by local structural traps.

WORK DONE: Linecutting, 38.9 kilometres; ground magnetometer survey, 36 kilometres; surface geological mapping, 1:2500; and surface diamond drilling, 4 NQ holes, totalling 406 metres, on J.

REFERENCES: Mineral Inventory 104P-43; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 278, E 279; Assessment Reports 7069, 7572.

ZAP, ACE (Fig. E-1, NTS 104, No. 109)

LOCATION: Lat. 59° 54′ Long. 129° 33′ (104P/13E)
LIARD M.D. Seven kilometres north-northeast of One Ace Mountain, east of Little Rancheria River.

CLAIMS: ZAP 1 to 5 (20 units each), ZAP 6 (16 units), ZAP 7, 8 (20 units each), ZAP 9 (16 units), ZAP 10, 11 (15 units each), ACE 1 to 8 (8 units).

OWNER: WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver.

WORK DONE: Regional geological mapping, 1:3000, covering Zap 1-6; geochemical survey, approximately 1 000 soil and stream sediment samples; EM–VLF survey, 5 kilometres; and magnetometer survey, 5 kilometres, covering Zap 1, 4, 5; road construction, 7 kilometres, on Zap 1, 5, 10, 11, Ace 1, 2; 6 trenches, length 600 metres, on Zap 1, 5.

STRUCTURAL MATERIALS AND INDUSTRIAL MINERALS EXPLORATION

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REVIEW OF EXPLORATION ON NON–METALLIC MINERAL DEPOSITS

By Z. D. Hora

Exploration activity indicated steady interest in non-metallic commodities.

Major projects involving barite, both as a main mineral or by-product of lead-zinc mineralization, took place in the northeast part of the province. Exploration drilling for jade was done on several locations in the area east of Dease Lake. Activity continued on the mica property near Valemount and the talc claims on Nahatlatch River. Smaller projects involved asbestos, building stone, chromite, fluorspar, and silica.

REPORTS ON EXPLORATION OF NON–METALLIC COMMODITIES

ASBESTOS

MALO, JOGI (Fig. E-1, NTS 82, No. 280)

LOCATION: Lat. 50° 32′ Long. 118° 27′ (82L/9W)
Fifty kilometres southeast of Sicamous, 1 kilometre northwest of the junction of Shuswap River and Star Creek.

CLAIMS: MALO (2 units), JOGI (2 units).

OWNERS: N. ANDERSON, G. DESBIENS, and J. McFARLANE, Box 189, Winfield V0H 2C0.

DESCRIPTION: A tremolite asbestos zone occurs in Monashee Group schists of Proterozoic age.

WORK DONE: Prospecting.

BARITE

DAVE, SANDY (Fig. E-1, NTS 82, No. 125)

LOCATION: Lat. 49° 32′ Long. 116° 40′ (82F/10E)
Report on this property in Metals section, NTS 82F.

BRENDA (Fig. E-1, NTS 82, No. 152)

LOCATION: Lat. 49° 59′ Long. 115° 53′ (82G/13W)
FORT STEELE M.D. Seven kilometres west of Torrent siding, 2 kilometres north of Skookumchuck Creek and 1 kilometre west of Sandown Creek.

CLAIMS: BONNY 1 (1 unit), SANDOWN 1 and 2 (24 units).

OWNER: MOUNTAIN MINERALS LIMITED, Box 700, Lethbridge, Alberta T1J 3Z6.

DESCRIPTION: The claims are underlain by faulted phyllite rocks that contain a barite-siderite-quartz vein with minor amounts of chalcopyrite, tetrahedrite, and bornite.

WORK DONE: Diamond drilling, 5 AQ holes, totalling 174.67 metres, on Bonny 1.

REFERENCES: Mineral Inventory 82G/N-65; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 70; Assessment Reports 6886, 7613, 7690.

HAT (Fig. E-1, NTS 82, No. 279)

LOCATION: Lat. 50° 30′ Long. 116° 18′ (82K/8W, 9W)
GOLDEN M.D. Nineteen kilometres west of Invermere, on the south side of Bruce Creek, 3 kilometres north-northeast of Watch Peak.

CLAIM: HAT (6 units).
OPERATOR: A. R. MILLER, Box 938, Invermere V0A 1K0.
DESCRIPTION: Barite vein with traces of chalcopyrite intersects Proterozoic shales of the Horsethief Creek Group.
WORK DONE: Gravity meter survey and geochemical survey, approximately 200 soil samples.
REFERENCES: Mineral Inventory 82K/SE-70; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 248, E 249; Assessment Report 6893.

LARRABEE (Fig. E-1, NTS 82, No. 278)

LOCATION: Lat. 50° 28' Long. 116° 06' (82K/8E)
GOLDEN M.D. Six kilometres southwest of Invermere, 1 kilometre south of Bunyan Lake.
CLAIMS: PILGRIM (Lot 10115), CHRISTIAN (Lot 10116), DREADNAUGHT (Lot 11031).
OPERATOR: MOUNTAIN MINERALS LIMITED, Box 700, Lethbridge, Alberta T1J 3Z6.
DESCRIPTION: Irregular veins and stringers of barite occur in a quartz-sericite-phyllite matrix of the Proterozoic Mount Nelson Formation.
WORK DONE: Diamond drilling, 10 AQ holes, totalling 219.77 metres, on Christian.
REFERENCES: Mineral Inventory 82K/SE-52; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 452.

CIRQUE (Fig. E-1, NTS 94, No. 12)

LOCATION: Lat. 57° 31' Long. 125° 09' (94F/6E, 11E)
Report on this property in Metals section, NTS 94F.

DOG (Fig. E-1, NTS 94, No. 14)

LOCATION: Lat. 57° 22' Long. 124° 51' (94F/7W)
OMINECA M.D. Thirty-four kilometres northeast of the junction of Del Creek and Finlay River, on the north side of Akie River.
CLAIMS: DOG 1 (8 units), DOG 2 (8 units), DOG 4 (6 units), DOG 5 (6 units), DOG 6 (6 units), DOG 7 (2 units), DOG 8 (18 units).
OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.
DESCRIPTION: Layers of nodular barite are commonly present in graphitic shales of the Gunsteel Formation.
WORK DONE: 1978 – linecutting, 4.5 kilometres, covering Doug 4, 6, and 8; geological mapping, 1:50 000, covering all claims; geochemical survey, 167 silt samples analysed for copper, lead, and zinc, covering all claims, and 51 soil samples analysed for copper, lead, and zinc, covering Dog 1.
REFERENCES: Mineral Inventory 94F-12; Assessment Report 7318.

PIE (Fig. E-1, NTS 94, No. 11)

LOCATION: Lat. 57° 27′ Long. 125° 00′ (94F/7W, 6E)
OMINECA M.D. Thirty-nine kilometres east-northeast of Ware, at the eastern headwaters of Paul River.

CLAIMS: PIE 1 to 18 (225 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

DESCRIPTION: The claims are underlain by black graphitic and cherty shales, siltstone, and limestone (Devonian-Mississippian). Sulphide-bearing shale fragments and barite occur near the limestone-shale contact.

WORK DONE: 1978 – geological mapping, 1:25 000, and geochemical survey, 218 silt samples analysed for copper, lead, and zinc, covering Pie 1-12; 1979 – geological mapping, 1:10 000, covering all claims; linecutting, 15.5 kilometres, covering Pie 1-6, 8-13; geochemical survey, 1 769 soil samples analysed for copper, lead, and zinc, covering Pie 1-8, 10-13; trenching, 6 trenches, totalling 40 metres, on Pie 1.

REFERENCES: Assessment Reports 7373, 7506.

ELF (Fig. E-1, NTS 94, No. 13)

LOCATION: Lat. 57° 18′ Long. 124° 41′ (94F/7)
OMINECA M.D. Thirty-nine kilometres northeast of the confluence of Finlay and Akie Rivers, 2 kilometres south of Akie River.

CLAIMS: ELF 1 to 18 (151 units).

OWNERS: Cyprus Anvil Mining Corporation and Hudson's Bay Oil and Gas Company Limited.

OPERATOR: CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: Surface showings of several 1-metre barite-galena-sphalerite horizons are interbedded with black shale of the Gunsteel Formation. Occurrence of high-grade barite-galena-sphalerite float in Elk Creek, unlike mineralization at the showing, is of unknown source.

WORK DONE: 1978 – ground electromagnetic survey, 6 kilometres, covering Elf 1-16; 1979 – linecutting, 35 kilometres, covering Elf 1-11; geological mapping, 1:5000, and topographical survey, covering Elf 1-15, 17, 18; diamond drilling, 4 NQ holes, totalling 1 074 metres, on Elf 4; geochemical surveys, 3 100 soil samples analysed for lead, zinc, and barite, covering Elf 1-11, 13.

REFERENCES: Mineral Inventory 94F-11; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 246, E 247; Assessment Reports 7271, 7303.

YULE (Fig. E-1, NTS 94, No. 17)

LOCATION: Lat. 57° 34′ Long. 125° 12′ (94F/11E)
OMINECA M.D. Thirty kilometres northeast of Ware, south of Kwadacha River, east of Mount Yuen.

CLAIMS: YULE 1 to 10 (119 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

DESCRIPTION: The property is underlain by Devono-Mississippian black shales, siltstone, and carbonate rocks, which are folded and thrust faulted. The black shales include bands of massive and nodular barite.

WORK DONE: Geological mapping, 1:50 000, covering all claims; geochemical survey, 242 soil samples analysed for copper, lead, and zinc, covering Yule 1, 2, 4, 6, and 10.

REFERENCES: Mineral Inventory 94F-13; Assessment Report 7747.

EGG, FOO (Fig. E-1, NTS 94, No. 18)

LOCATION: Lat. 57° 22′ Long. 123° 50′ (94G/5W)

Report on this property in Metals section, NTS 94G.

DR (Fig. E-1, NTS 94, No. 22)

LOCATION: Lat. 58° 04′ Long. 125° 53′ (94K/4W)

LIARD M.D. Southwest of Gataga River on Driftpile Creek, 17 kilometres east of Citroen Peak.

CLAIM: DR (18 units).

OWNER: MALABAR MINES LTD., 1326, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: The DR claim is underlain by a black shale sequence which includes noncalcareous shale, sandstone, gritty greywacke, chert-pebble conglomerate, and polymictic conglomerate of Late Devonian age. Stratiform barite is reported in the Gunsteel shale of Devono-Mississippian age.

WORK DONE: VLF–EM survey, 28 710 metres, and geochemical survey, 878 soil samples analysed for lead and zinc, covering DR.

REFERENCES: Mineral Inventory 94K-77; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 249; Assessment Report 6663.

GATAGA JOINT VENTURE (Fig. E-1, NTS 94, No. 21)

LOCATION: Lat. 58° 04′ Long. 125° 55′ (94K/4W)

Report on this property in Metals section, NTS 94K.

ROEN (Fig. E-1, NTS 94, No. 19)

LOCATION: Lat. 58° 08′ Long. 126° 01′ (94K/4W; 94L/1E)

LIARD M.D. Southwest of Gataga River, 16 kilometres east-northeast of Mount Mark and 16 kilometres north of Driftpile Creek.

CLAIMS: ROEN 1 and 2 (40 units).

OWNER: SEREM LTD., 505, 850 West Hastings Street, Vancouver V6C 1E1.

DESCRIPTION: Massive, bedded barite is grading upward and laterally into silty black shales with barite nodules.

WORK DONE: Geological mapping, 1:10 000, and geochemical survey, 93 soil samples analysed for lead and zinc, covering both claims.

REFERENCES: Mineral Inventory 94K-68; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 251; Assessment Reports 6881, 7328.

X (Fig. E-1, NTS 94, No. 23)

LOCATION: Lat. 58° 12′ Long. 126° 07′ (94L/1E)
Report on this property in Metals section, NTS 94L.

MUN (Fig. E-1, NTS 94, No. 4)

LOCATION: Lat. 59° 05′ Long. 125° 43.5′ (94N/4E)
LIARD M.D. Between Sulphur Creek and Trout River, 6 kilometres north-northeast of the north end of Muncho Lake.

CLAIMS: MUN 1 and 2 (25 units).

OWNER: SISCOE METALS OF ONTARIO LIMITED, 3001 South Tower, Royal Bank Plaza, Toronto, Ontario M5J 2J1.

DESCRIPTION: Stratabound barite occurs in dolomite rock and dolomite breccia of the Stone Formation (Mid-Devonian).

WORK DONE: 1978 and 1979 – sampling; geological mapping, 1:5000, and prospecting, covering Mun 1 and 2.

REFERENCE: Assessment Report 7349.

MO (Fig. E-1, NTS 94, No. 1)

LOCATION: Lat. 59° 06′ Long. 125° 41′ (94N/4E)
LIARD M.D. Between Sulphur Creek and Trout River, 9 kilometres northeast of the north end of Muncho Lake.

CLAIMS: MO 1 to 6 (36 units).

OWNER: SISCOE METALS OF ONTARIO LIMITED, 3001 South Tower, Royal Bank Plaza, Toronto, Ontario M5J 2J1.

DESCRIPTION: Stratabound barite occurs in dolomite rock and dolomite breccia of the Stone Formation (Mid-Devonian).

WORK DONE: 1978 and 1979 – geological mapping, 1:5000; sampling; topographical survey; and prospecting.

REFERENCE: Assessment Report 7359.

COPPER BAY, IXL (Fig. E-1, NTS 103, No. 21)

LOCATION: Lat. 53° 12′ Long. 131° 49′ (103G/4W)
Report on this property in Metals section, NTS 103G.

ENTERPRISE (Fig. E-1, NTS 104, No. 4)

LOCATION: Lat. 56° 07′ Long. 129° 45′ (104A/4)
Report on this property in Metals section, NTS 104A.

BUILDING STONE

KIETH (Fig. E-1, NTS 82, No. 275)

LOCATION: Lat. 47° 16.5′ Long. 117° 03′ (82F/6E)
At headwaters of Porcupine Creek, 19 kilometres northeast of Salmo.
CLAIM: KIETH (2 units).
OWNER: A. M. GERVIN, 420 Second Street, Nelson.
DESCRIPTION: Quartzite is part of the Quartzite Range Formation of Early Cambrian age. It is banded, splitting in slabs, with sericite on bedding planes. It is used as flagstone and facing stone.
WORK DONE: Trenching, 15 metres by 5 metres, on Kieth.
REFERENCES: Mineral Inventory 82F/SW-278; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 249.

WALLED (Fig. E-1, NTS 82, No. 273)

LOCATION: Lat. 50° 37′ Long. 118° 38′ (82L/10E)
Forty-eight kilometres northeast of Lumby, 3 kilometres east of Mabel Lake, and just south of Tsuius Creek.
CLAIMS: WALLED (4 units), WALLED 2 to 4 (3 units).
OWNER: W. CHAPUT, Box 245, Lumby.
DESCRIPTION: The property is underlain by dolomitic limestone and dolomite of the Shuswap Metamorphic Complex (Precambrian).
WORK DONE: Surface diamond drilling, 3 BQ holes, totalling 40.84 metres, on Walled 2-4.
REFERENCE: Assessment Report 7797.

PEG (Fig. E-1, NTS 92, No. 11)

LOCATION: Lat. 48° 31′ Long. 123° 59′ (92B/12W)
Thirty-five kilometres east-southeast of Port Renfrew, on the north side of Jordan River diversion reservoir, below the falls on Walker Creek.
CLAIMS: PEG 1 to 6 (1 unit each).
OWNER: R. BEAUPRE, 4361 Shelbourne Street, Victoria V8N 3G4.
DESCRIPTION: Pegmatite dykes with black tourmaline are exposed on the north side of the Leech River fault.
WORK DONE: Geological mapping, covering Peg 1-6.
REFERENCES: Mineral Inventory 92B-111; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 249; 1978, p. E 285; Assessment Report 6598.

DAD, DWAYNE (Fig. E-1, NTS 92, No. 211)

LOCATION: Lat. 50° 37' Long. 122° 27' (92J/9W)
Sixteen kilometres southwest of Seton Portage, 2 kilometres west of Anderson Lake on the south side of McGillivray Creek.

CLAIMS: DAD 3, DWAYNE 3.

OWNERS: P. E. McNEE, 10631 No. 4 Road, Richmond V7A 2Z5, and D. S. McNEE, 3786 Cambridge Street, Burnaby V5C 1G1.

DESCRIPTION: A large float boulder of crypto-crystalline chloritic rock with potential use for carving, sculpturing, and as facing stone was found in the area underlain by cherts, phyllites, and quartzites of Bridge River Group.

WORK DONE: Prospecting; sampling, 60 samples; and trenches and pits refilled, on both claims; surface diamond drilling, 10.2 metres, on Dwayne 3.

REFERENCE: *Geol. Surv., Canada*, Paper 73-77.

FLUORITE

DEEP PURPLE (Fig. E-1, NTS 82, No. 277)

LOCATION: Lat. 50° 12' Long. 115° 08' (82J/3E)
Forty-eight kilometres east of Canal Flats, on the upper reaches of Rocky Canyon Creek.

CLAIMS: DEEP PURPLE (18 units), CANDY (8 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 520, 800 West Pender Street, Vancouver V6C 2V6.

DESCRIPTION: Fluorite occurs as fracture filling and cementing matrix in evaporitic breccia and carbonate rocks of Devonian age. Massive finely crystalline fluorite and fluorite-barite float occurs locally.

WORK DONE: Trenching, 3 trenches, totalling 193 metres, and sampling, 36 samples analysed for lead, zinc, and fluorine, covering Candy.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 286; Assessment Reports 6978, 7830.

GYPSUM

SPATSUM (Fig. E-1, NTS 92, No. 142)

LOCATION: Lat. 50° 33.5' Long. 121° 18' (92I/11W)
On the west side of the Thompson River, directly opposite Spatsum station.

CLAIM: ORION (4 units).

OPERATOR: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: Scattered crystals and veinlets of gypsum occur in intensely altered pyritic rocks of the Cache Creek Group. Barite, chalcopyrite, sphalerite, and galena occur in trace amounts.

WORK DONE: Induced polarization and magnetic surveys, 3.6 kilometres, covering Orion.

REFERENCES: Mineral Inventory 92I/NW-54; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 287; Assessment Reports 7102, 7638.

LIMESTONE

SABINE (Fig. E-1, NTS 92, No. 28)

LOCATION: Lat. 49° 30′ Long. 124° 09′ (92F/9E)
On the southern end of Texada Island, along the road immediately west of Anderson Bay.

CLAIMS: SABINE, SABINE 2 to 9.

OWNERS: E. J. Johanson and R. A. Samuelson.

OPERATOR: E. J. JOHANSON, General Delivery, Vananda V0N 3K0.

WORK DONE: Packsack drilling, 1 hole, totalling 16 metres, on Sabine 3.

REFERENCES: Mineral Inventory 92F-87; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 129, E 130.

WIP (Fig. E-1, NTS 92, No. 30)

LOCATION: Lat. 49° 44′ Long. 124° 30′ (92F/9W, 10E)
Report on this property in Metals section, NTS 92F.

MICA

CANOE (Fig. E-1, NTS 82, No. 297)

LOCATION: Lat. 52° 46′ Long. 119° 18′ (83D/14W)
Approximately 9 kilometres south-southwest of Valemount, on the north side of Canoe River.

CLAIM: CANOE 1 (16 units).

OWNER: Mits Development Company Ltd.

OPERATOR: KOPPERS INTERNATIONAL CANADA LTD., 10106 Shellbridge Way, Richmond V6X 2W7.

DESCRIPTION: The property is underlain by Proterozoic Kaza Group quartzite and mica-quartz-garnet schist. The mica deposit consists of highly micaceous schist bands (up to 70 per cent mica) approximately 15 to 45 metres thick.

WORK DONE: Surface diamond drilling, 16 NQ holes, totalling 727.6 metres.

REFERENCES: Mineral Inventory 83D-12; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 298; Assessment Report 7687.

PERLITE

MA (Fig. E-1, NTS 93, No. 74)

LOCATION: Lat. 54° 04′ Long. 125° 40′ (93K/4E)
Between Tchesinkut Lake and Francois Lake, 4 kilometres east of Francois Lake village.

CLAIMS: MA 1 to 3 (54 units).

OWNER: LONG LAC MINERAL EXPLORATION LTD., 1680, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The rocks consist of medium-dipping, devitrified, banded, brecciated, and spherulitic rhyolites and tuffs (Eocene/Oligocene) including a band of perlite.

WORK DONE: 1978 – ground scintillometer survey, 24 kilometres, covering all claims; 1979 – road construction, 543 metres; surface diamond drilling, 1 BQ hole, totalling 212.14 metres, on MA 1.

REFERENCES: *Minister of Mines, B.C.*, 1949, p. 258; 1953, p. 194; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 290; *Geol. Surv., Canada*, Mem. 252, p. 198; Assessment Report 7446.

SEMI–PRECIOUS STONES

JADE

STEVEN (Fig. E-1, NTS 92, No. 154)

LOCATION: Lat. 49° 27′ Long. 121° 15.5′ (92H/6W)
NEW WESTMINSTER M.D. On the east side of the Coquihalla River, 3 kilometres south of the mouth of Dewdney Creek.

CLAIM: STEVEN (1 unit).

OWNER: R. J. FULBROOK, RR 3, Site 20, Comp 18, Vernon V1T 6L6.

DESCRIPTION: Talc occurs in serpentine and jade occurs on the contact of serpentine with cherty rocks.

WORK DONE: Removal of slide material, on Steven.

REFERENCES: Mineral Inventory 92H/SW-97; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 79; 1977, p. E 250; 1978, p. E 292.

SPRING (Fig. E-1, NTS 104, No. 28)

LOCATION: Lat. 58° 18′ Long. 128° 50′ (104I/7W)
LIARD M.D. Three and one-half kilometres west of Letain Lake.

CLAIMS: SPRING 1 (20 units), SPRING 2 (10 units), SPRING 3 (1 unit).

OWNER: CRY LAKE JADE MINES LTD., 6400 Roberts Street, Burnaby V5G 2B7.

DESCRIPTION: Nephrite occurs at contacts between serpentinite and Cache Creek Group rocks.

WORK DONE: Surface geological mapping, 1:6000, covering Spring 1-3; packsack drilling, 1 hole, totalling 2 metres, on Spring 3.
REFERENCES: Mineral Inventory 104I-67; Assessment Report 7542.

JADE (Fig. E-1, NTS 104, No. 27)

LOCATION: Lat. 58° 15′ Long. 128° 42′ (104I/7E)
LIARD M.D. Eleven kilometres southwest of Wolverine Lake.
CLAIMS: EILEEN, RERUN, and Placer Mining Leases 1517 to 1537, 1545, 1547, 1548, 1550 to 1553, 1566.
OWNER: K. Makepeace, G. A. Ostry, and Nephro-Jade Canada Ltd.
OPERATOR: NEPHRO–JADE CANADA LTD., 200, 3540 West 41st Avenue, Vancouver V6N 3E6.
DESCRIPTION: Boulders with jade are present as talus blocks and in alluvial deposits.
WORK DONE: Packsack drilling, 476.26 metres (399 jade boulders).
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 381; Assessment Reports 5100, 7258.

KUTCHO CREEK AREA (Fig. E-1, NTS 104, No. 26)

LOCATION: Lat. 58° 16′ Long. 128° 38′ (104I/7E)
LIARD M.D. Eleven kilometres south-southwest of Wolverine Lake.
CLAIMS: BS 1 and 2 (3 units each), JADEX 1 to 8 (24 units), ALPHA (2 units), BETA (2 units), CRY (4 units).
OWNER: CRY LAKE JADE MINES LTD., 6400 Roberts Street, Burnaby V5G 2B7.
DESCRIPTION: Nephrite jade occurs at a contact between serpentinized ultramafic intrusive rocks and the Cache Creek Group metasedimentary rocks in the area between King Mountain west of Letain Lake and Kutcho Creek.
WORK DONE: Geological mapping, 1:5000; aerial photography, 1:10 000; and packsack drilling, 16 holes, totalling 22 metres, covering BS 1 and 2; legal survey, covering BS 2; geological mapping, 1:1000; aerial photography, 1:10 000; packsack drilling, 30 holes, totalling 50 metres; trenching, approximately 2 000 metres; and ground magnetometer survey, 12 kilometres, covering Jadex 1-3, 6; aerial photography, 1:10 000; legal survey; packsack drilling, 6 holes, totalling 7 metres; and road construction, 6 kilometres, covering Alpha, Beta, and Cry.
REFERENCES: Mineral Inventory 104I-62 to 64, 78; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 292 (Jadex); Assessment Reports 7542, 7582.

PLACER LEASE 1711 (Fig. E-1, NTS 104, No. 25)

LOCATION: Lat. 58° 19′ Long. 128° 38′ (104I/7E)
LIARD M.D. Four and one-half kilometres southwest of Wolverine Lake.
CLAIM: Placer Lease 1711.

OWNER: CRY LAKE JADE MINES LTD., 6400 Roberts Street, Burnaby V5G 2B7.
DESCRIPTION: Jade boulders occur in alluvial gravels.
WORK DONE: Placer sampling, 8 samples, covering Placer Lease 1711.
REFERENCE: Assessment Report 7104.

SILICA

HIGH POCKETS (Fig. E-1, NTS 82, No. 276)

LOCATION: Lat. 49° 33' Long. 117° 18' (82F/11W)
NELSON M.D. Four kilometres north-northwest of Nelson, on Four Mile Creek.
CLAIM: HIGH POCKETS 1 (20 units).
OWNERS: S. PASZTY, 1022 – 10th Avenue South, Castlegar V1N 3A2, and A. TEREKOFF, Thrums.
DESCRIPTION: A pegmatite plug 400 by 100 metres is composed mainly of quartz with numerous small pods of orthoclase with disseminated grains of euxenite, brannerite, and betafite.
WORK DONE: Geochemical survey, 106 soil samples analysed for molybdenum and uranium, 2 rock samples analysed for silica, and 1 rock sample x-rayed.

HUNT (Fig. E-1, NTS 82, No. 122)

LOCATION: Lat. 51° 13' Long. 116° 52' (82N/2W)
GOLDEN M.D. Thirteen kilometres south-southeast of Golden, on the south bank of Horse Creek.
CLAIMS: HUNT 1A to 9A.
OWNER: COASTAL MINING OF CANADA LIMITED, c/o 1400, 1030 West Georgia Street, Vancouver V6E 3C2.
DESCRIPTION: The property is underlain by massive quartzite of the Mount Wilson Formation of Ordovician age.
WORK DONE: Road construction, 1 000 metres, on Hunt 1A, 8A, 9A; test pit, 50 metres by 46 metres, on Hunt 1A.
REFERENCES: Mineral Inventory 82N-43; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 293, E 294.

MOUNT MOBERLY (Fig. E-1, NTS 82, No. 282)

LOCATION: Lat. 51° 22' Long. 116° 57' (82N/7W)
GOLDEN M.D. Seven kilometres north of Golden, on Moberly Peak.
CLAIMS: PAX (8 units), CONTACT (6 units), SANDY (15 units), RALPH (20 units), CORNER (1 unit).
OWNER: MOUNTAIN MINERALS LIMITED, Box 700, Lethbridge, Alberta T1J 3Z6.
DESCRIPTION: Siliceous sandstone and quartzite are part of the Ordovician Mount Wilson Formation. Rocks are white to pinkish in colour.

WORK DONE: Stripping, 310 000 square metres, on Ralph.

REFERENCES: Mineral Inventory 82N-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 294.

H&W (Fig. E-1, NTS 92, No. 215)

LOCATION: Lat. 50° 36.5′ Long. 127° 41′ (92L/12E) NANAIMO M.D. On the north side of Holberg Inlet, at the mouth of Wakalish Creek, 3 kilometres west of Apple Bay, adjoining the silica property of Canada Cement Lafarge Ltd. on the west.

CLAIMS: H&W 1 to 8 (8 units).

OWNER: D. Blender, 2567 Mill Hill Road, Victoria V9B 4X6.

OPERATOR: INLAND CEMENT INDUSTRIES LIMITED, Box 950, Delta V4K 3S6.

DESCRIPTION: A siliceous alteration zone occurs in uppermost Bonanza flow rocks. Most of the siliceous zone is impregnated by fine-grained pyrite.

WORK DONE: Linecutting and topographical survey, 1:2400, covering all claims.

REFERENCES: Mineral Inventory 92L-269; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 207; 1977, p. E 256; Assessment Reports 6142, 6544.

TALC

NORTH, WEST, SOUTH, EAST (Fig. E-1, NTS 92, No. 2)

LOCATION: Lat. 48° 30.5′ Long. 123° 44′ (92B/12, 5E) Report on this property in Metals section, NTS 92B.

STEVEN (Fig. E-1, NTS 92, No. 154)

LOCATION: Lat. 49° 27′ Long. 121° 15.5′ (92H/6W) Report on this property under 'Jade.'

J&J (Fig. E-1, NTS 92, No. 170)

LOCATION: Lat. 49° 59′ Long. 121° 33 (92H/13E) NEW WESTMINSTER M.D. Three kilometres west-northwest of the mouth of Nahatlach River at the Fraser River.

OWNER: Pacific Talc Ltd.

OPERATOR: MOUNTAIN MINERALS LIMITED, Box 700, Lethbridge, Alberta T1J 3Z6.

DESCRIPTION: Talc is associated with magnesite, pyrite, and chlorite in a subvertically dipping phyllite unit striking 135 degrees.

WORK DONE: Surface diamond drilling, 4 AQ holes, totalling 292 metres, on J&J.

REFERENCES: Mineral Inventory 92H/NW-47; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 208; 1977, p. E 257, 1978, p. E 294; Assessment Report 7118.

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GENERAL REVIEW OF COAL EXPLORATION

By A. Matheson

Coal exploration continued at a high level, augmented to some degree by the need to fulfill work commitments related to the issuance of new licences following the lifting of the moratorium in February 1978. In 1979, 925 coal licences were granted covering an area of 253 708 hectares bringing the total area under active exploration to almost

1 000 000 hectares, treble the area held during the moratorium. These figures provide the most significant indicator of the intensity of coal exploration in the province.

The major new development in 1979 was the extension of the search from the traditional stratigraphic interval of Lower Cretaceous Gething and Gates coal of northeastern British Columbia, out into the plains region with an important rotary drilling program by Gulf Canada Resources Inc. of the uppermost Cretaceous Wapiti Group.

Exploration was carried out over 22 properties in the Peace River Coalfied. The most active of these were: Monkman (Petro-Canada Exploration Inc.) for which the Stage I report was submitted and has been accepted; Belcourt (Denison Mines Limited); Sukunka (BP Exploration Canada Limited) for which the Stage II report was submitted and has been accepted; Bullmoose (Teck Corporation) for which the Stage I report was submitted and has been accepted; Bri Dowling Creek (Utah Mines Ltd.); and Adams (Crows Nest Resources Limited).

In the southeastern part of British Columbia there were 14 properties in which active exploration took place, prominent amongst these the Horseshoe Ridge and Line Creek Ridge properties (Crows Nest Resources Limited) for which the Stage II report was accepted. The Stage II report for Elk River (Elco Mining Ltd.) was accepted during the year as well. The Stage I report for the Greenhills property (Kaiser Resources Ltd.) was submitted as was the Stage II report for the Sage Creek property (Rio Algom Limited).

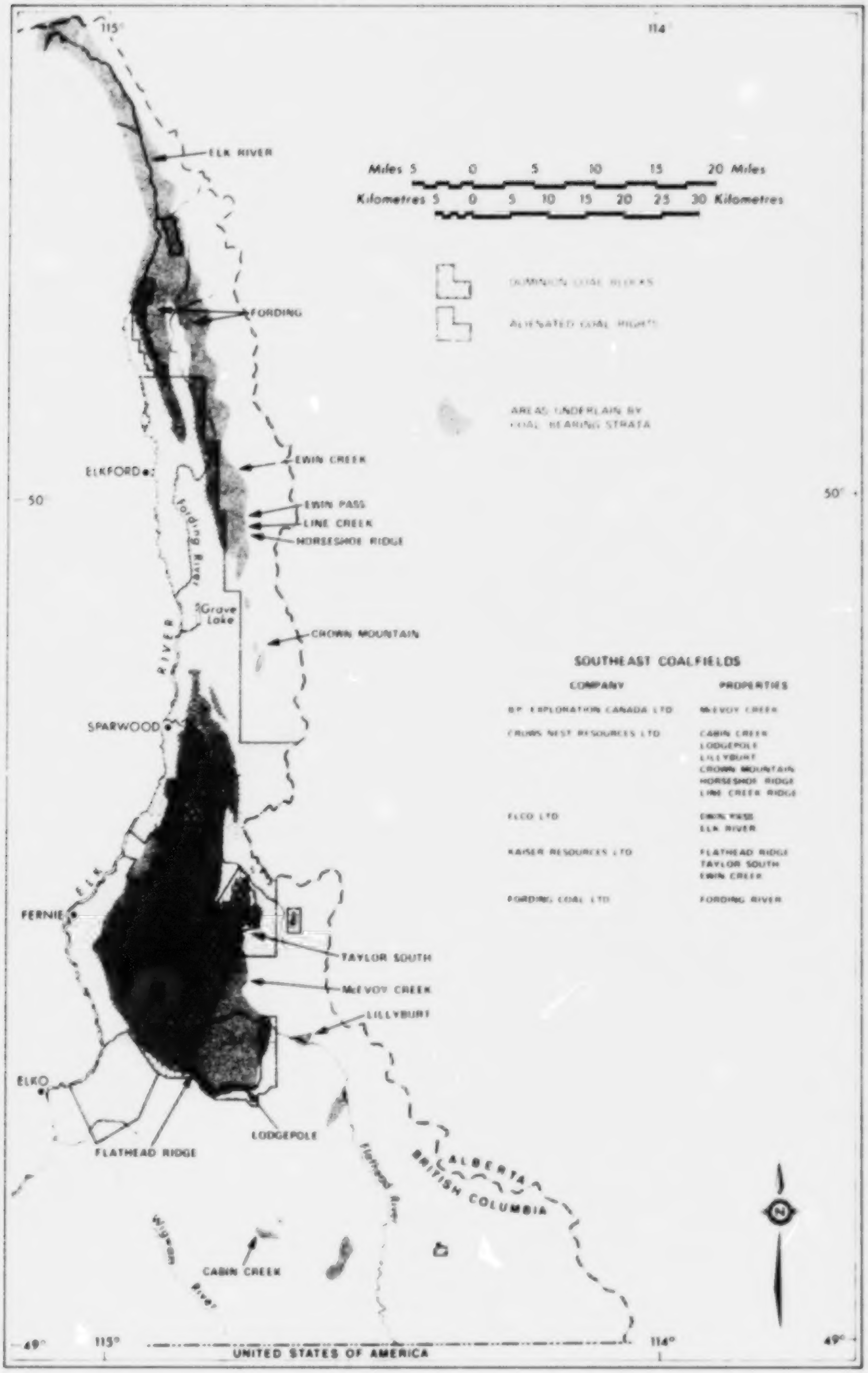
Elsewhere in the province exploration work took place on eight groups of licences in the Telkwa and Tuya coal basins as well as the Comox and Groundhog Coalfields. They were notably Petro-Canada Exploration Inc.'s licences in the Tuya River area; Crows Nest Resources Limited's licences in the Telkwa basin; and Cyprus Anvil Mining Corporation's property in the Tulameen, for which a Prospectus was submitted.

REPORTS ON COAL EXPLORATION

CROWSNEST COALFIELD (Fig. E–5)

CABIN CREEK PROJECT (Fig. E-1, NTS 82, No. 281)

LOCATION:	Lat. 49° 08′	Long. 114° 43′	(82G/7)
	Fifty kilometres southeast of Fernie.		
LICENCES:	C.L. Nos. 595 to 601, 4742.		
OWNER:	Shell Canada Resources Limited.		
OPERATOR:	CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.		


115°
114°
ELK RIVER
Miles 5 0 5 10 15 20 Miles
Kilometres 5 0 5 10 15 20 25 30 Kilometres
DOMINION COAL BLOCKS
ALIENATED COAL RIGHTS
AREAS UNDERLAIN BY COAL BEARING STRATA
FORDING
EWIN CREEK
ELKFORD
50°
Fording River
EWIN PASS
LINE CREEK
HORSESHOE RIDGE
Grave Lake
CROWN MOUNTAIN
RIVER
SPARWOOD
ELK
FERNIE
TAYLOR SOUTH
McEVOY CREEK
LILLYBURT
ELKO
LODGEPOLE
FLATHEAD RIDGE
Flathead River
ALBERTA
BRITISH COLUMBIA
N
Wigwam River
CABIN CREEK
49°
115°
UNITED STATES OF AMERICA
114°
49°

SOUTHEAST COALFIELDS

COMPANY	PROPERTIES
B.P. EXPLORATION CANADA LTD	McEVOY CREEK
CROWS NEST RESOURCES LTD	CABIN CREEK LODGEPOLE LILLYBURT CROWN MOUNTAIN HORSESHOE RIDGE LINE CREEK RIDGE
ELCO LTD	EWIN PASS ELK RIVER
KAISER RESOURCES LTD	FLATHEAD RIDGE TAYLOR SOUTH EWIN CREEK
FORDING COAL LTD	FORDING RIVER

DESCRIPTION: The property has two main coal seams. The coal-bearing strata is 80 metres thick. The over-all structure of the coal measures is very simple. There are indications of minor movements within the mass of strata; however, no folds nor faults of even small magnitudes have been recognized.

WORK DONE: Geological mapping, 1:5000.

LODGEPOLE PROJECT (Fig. E-1, NTS 82, No. 294)

LOCATION: Lat. 49° 18′ Long. 114° 13′ (82G/7)
Thirty-two kilometres southeast of Fernie.

LICENCES: C.L. Nos. 490 to 495, 4729 to 4735.

OWNER: Shell Resources Canada Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The strata of the Lodgepole project area form part of the East Kootenay synclinal Fernie basin. The average strike of the strata is 205 degrees and the dip 24 degrees. Within the coal-bearing member of the Kootenay Formation there are at least eight seams greater than 1 metre in thickness.

WORK DONE: Road construction and upgrading; trenching, 29 backhoe trenches, totalling 255 metres; sampling; diamond drilling, 1 hole, totalling 166.4 metres, and percussion drilling, 6 air holes, totalling 1 263.5 metres, logged with neutron-neutron, high resolution density, bed resolution density, long-scale density, natural gamma, and caliper instruments.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 261.

LILLYBURT COAL PROSPECT (Fig. E-1, NTS 82, No. 283)

LOCATION: Lat. 49° 20′-23′ Long. 114° 35′-41′ (82G/7)
Northeastern end of Flathead River valley.

LICENCES: C.L. Nos. 4080 to 4089.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: Coal at Lillyburt occurs in the Upper Jurassic-Lower Cretaceous coal-bearing member of the Kootenay Formation. Mesozoic rocks occur in four structural blocks that vary in size from 0.5 to 2.5 square kilometres. These appear to be down-faulted blocks surrounded by Paleozoic and older rocks. The four structural blocks are interpreted to be in normal fault contact to each other. Within the major blocks, folding seems to be the principal structural element. In the centre-east part of the property is the largest block which is an asymmetrical syncline. The block on the north side of the property appears to be a syncline;

the other two blocks have not been explored enough to describe adequately.

WORK DONE: Trenching, 9 trenches, totalling 30 metres; sampling; rotary drilling, 3 holes, totalling 571 metres, logged with gamma-ray, neutron, and resistivity instruments and seam thickness logged.

FLATHEAD RIDGE (Fig. E-1, NTS 82, No. 284)

LOCATION: Lat. 49° 20′ Long. 114° 50′ (82G/7)
Twenty-two kilometres east of Elko.
LICENCES: C.L. Nos. 500 to 506.
OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood V0B 2G0.
DESCRIPTION: The licences overlie the Elk and coal-bearing member of the Kootenay Formation. The beds in the licence area lie on the west limb of the McEvoy syncline. The general strike of the beds is northwest-southeast and the dip is between 20 and 35 degrees to the northeast. Some minor faults were observed in the area.
WORK DONE: Geological mapping, 1:5000, and road construction.

McEVOY CREEK (Fig. E-1, NTS 82, No. 285)

LOCATION: Lat. 49° 23′ Long. 114° 48′ (82G/7)
Twenty-five kilometres east-southeast of Fernie and 30 kilometres southwest of Blairmore.
LICENCES: C.L. Nos. 4190 to 4200.
OWNER: BP Exploration Canada Limited.
OPERATOR: DYSON CONSULTANTS AND HOLDINGS LIMITED, Box 2038, Calgary, Alberta T2P 2M2.
DESCRIPTION: The strata underlying the licences is Triassic to Lower Cretaceous. The area of McEvoy Creek has been subjected to folding and faulting. The most prominent structural feature of the area is the Flathead fault, a southwest-dipping gravity fault. At the north end, Upper Kootenay strata are down-faulted onto Lower Kootenay strata. As one moves along this fault the displacement changes and when last seen the fault has placed Kootenay Formation in contact with Triassic rocks. An arbitrary dip of 45 degrees to the west has been chosen for the fault. The Kootenay Formation in the area seems greater than 500 metres. There appears to be eight significant coal zones of varying thicknesses.
WORK DONE: Geological mapping, 1:5000; sampling; and section measuring.

TAYLOR SOUTH (Fig. E-1, NTS 82, No. 286)

LOCATION: Lat. 49° 26′ Long. 114° 25′ (82G/7)
Twenty-three and one-third kilometres east-southeast of Fernie.
LICENCES: C.L. Nos. 4185 to 4187.
OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood V0B 2G0.

DESCRIPTION: The Kootenay Formation, which contains the coal seams in the area, strikes in a northerly direction and underlies the licences. The beds dip westerly between 15 and 35 degrees at nearly dip-slope conditions. The westerly facing slopes are capped and protected from erosion by coarse sedimentary rocks of the Blairmore Group, which are believed to lie unconformably on the Kootenay Formation. The Fernie Formation underlies the basal sandstone unit of the Kootenay Formation. Paleozoic rocks underlie the Fernie and Spray River Formations and occur to the east on Limestone Ridge.

WORK DONE: Geological outcrop mapping, 1:4800; road construction and upgrading; surveying; and reclamation work.

CROWN MOUNTAIN PROJECT (Fig. E-1, NTS 82, No. 287)

LOCATION: Lat. 49° 47' Long. 114° 44' (82G/10, 15)
Seven kilometres northeast of Sparwood.

LICENCES: C.L. Nos. 305 to 313, 365 to 367, 371, 372, 408.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The property lies in the broad north-south Alexander Creek valley, located between two parallel lines of upthrusted Paleozoic carbonates. Coal measures are located under some of the higher ground of the west side of this valley. The structures containing coal are erosional remnants in this group of licences.

WORK DONE: Geological mapping, 1:5000; rotary drilling, 7 holes, totalling 901.3 metres, with 6 gamma, 5 LSD, 4 gamma-neutron, 3 caliper, 3 BRD, 2 neutron, 2 resistivity, and 3 quality logs on all holes; 23 structural cross-sections prepared.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 419.

HORSESHOE RIDGE PROJECT (Fig. E-1, NTS 82, No. 288)

LOCATION: Lat. 49° 57' Long. 114° 45' (82G/15)
Twenty-eight kilometres (logging road) northeast of Sparwood.

LICENCES: C.L. Nos. 295, 296, 299, 300, 302, 303, 368 to 370, 373.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The lower coal-bearing member of the Kootenay Formation is present on Horseshoe Ridge and contains 10 coal seams. The over-all dip of the coal measures is 55 degrees to the west and the coal-bearing member is approximately 360 metres thick. Horseshoe Ridge forms part of the east limb of the Fording River syncline. Locally, the ridge is structurally complicated by folding and faulting within an asymmetrical syncline. The west limb is nearly vertical and the east limb dips 25 to 70 degrees west forming a dip-slope situation. On the east limb coal-bearing strata contain high-angle thrust faults. Coal seams in the west limb are complexly folded and faulted.

WORK DONE: Detailed geological mapping, 1:5000; trenching; diamond drilling, 3 holes, totalling 835 metres, logged with density, neutron-neutron, and caliper instruments, and rotary drilling, 7 holes, totalling 1 352 metres, logged with gamma-ray and neutron instruments; adit rehabilitation; and reclamation work.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 192, 193; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 301.

LINE CREEK RIDGE PROJECT (Fig. E-1, NTS 82, No. 289)

LOCATION: Lat. 49° 57′ Long. 114° 46′ (82G/15)
Twenty-five kilometres northeast of Sparwood.

LICENCES: C.L. Nos. 277 to 281, 284, 285, 290, 293, 294, 297, 298, 301, 304, 1299.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The Kootenay Formation at Line Creek is up to 590 metres thick. The coal-bearing member is approximately 530 metres thick and contains 14 coal seams. Thirteen of these seams have thicknesses greater than 2 metres. The main structural element in the vicinity of Line Creek Ridge is the north-plunging Fording syncline. The ridge is largely underlain by the west limb which is disturbed by thrust faults and small magnitude folds. At lower elevations, the eastern slope of Line Creek Ridge overlies the syncline axis, the west-dipping east limb, and the Fording thrust zone. Bedding dips on the syncline limbs range from low on the east limb (8 to 25 degrees west) to high in the west and northwestern portions of the west limb (60 degrees east to slightly overturned west).

WORK DONE: Detailed geological mapping, 1:2000; sampling; 1 adit driven; diamond drilling, 9 holes, totalling 990 metres, logged with gamma-ray, long-spaced density, bed resolution density, neutron-neutron, resistivity, and caliper instruments.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 192, 193; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 301.

EWIN PASS COAL PROPERTY (Fig. E-1, NTS 82, No. 290)

LOCATION: Lat. 49° 57′-50° 03′ Long. 114° 42′-44′ (82G/15)
Thirty-one kilometres south of Sparwood.

LICENCES: C.L. Nos. 282, 283, 286 to 289, 291, 292, 1300 to 1302.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: Bedrock on the Ewin Pass property ranges from the Jurassic Fernie Formation to the Lower Cretaceous-Jurassic Kootenay Formation. Structurally Ewin Pass Ridge is a dip slope with an average westward dip of 35 degrees. The structure is complicated to some extent by faulting. The coal-bearing member of the Kootenay Formation holds good potential for open-pit mining.

WORK DONE: Detailed geological mapping, 1:2000; trenching, 150 metres; 3 adits, totalling 185.6 metres; and geodetic survey of control points and adits.

EWIN CREEK (Fig. E-1, NTS 82, No. 291)

LOCATION: Lat. 50° 03′ Long. 114° 46′ (82J/5E)
Located in the Fording River valley.

LICENCES: C.L. Nos. 2221, 6743, 6744, 6746, 6747.

OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood V0B 2G0.

DESCRIPTION: The Moose Mountain member can be found outcropping on the north side of Ewin Creek as well as on the south side where the exposure is not as good. The Kootenay Formation is greater than 600 metres thick on Imperial Ridge. The Ewin Creek licences lie on the east limb of the Fording River syncline. The beds strike north-south and dip about 40 degrees to the west. There appears to be no major faulting on the property.

WORK DONE: Geological mapping, 1:5000; 15 trenches; sampling; and construction of adit sites.

FORDING RIVER (Fig. E-1, NTS 82, No. 292)

LOCATION: Lat. 50° 10′ Long. 114° 52′ (82J/7)
The property is situated in the Upper Fording Valley, approximately 48 kilometres north of Sparwood.

LICENCES: Lots 6825 (east half) and 6824 (west half).

OWNER: Cominco Ltd.

OPERATOR: FORDING COAL LIMITED, Box 100, Elkford V0B 1H0.

DESCRIPTION: The coal in the area occurs in the Lower Cretaceous Kootenay Formation. Two synclines trending north-south occur on either side of the Fording River and are separated by a major fault downthrown on the west.

WORK DONE: Geological mapping, 1:10 000; rotary drilling, 2 holes, totalling 200 metres, logged with gamma-ray and neutron instruments.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 191; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 214, E 215; 1976, p. E 215; 1977, pp. E 263, E 264; 1978, p. E 303.

ELK RIVER (Fig. E-1, NTS 82, No. 293)

LOCATION: Lat. 50° 24′ Long. 114° 56′ (82J/7)
In the Elk River area between Aldridge and Cadorna Creeks.

LICENCES: C.L. Nos. 64, 65, 421 to 434, 481 to 489, 515, 771 to 779, 951 to 957.

OWNER: ELCO MINING LTD., 2800, 700 Second Street SW, Calgary, Alberta T2P 2W2.

DESCRIPTION: The coal-bearing Kootenay Formation and the locally overlying Blairmore conglomerate form a north-northwesterly trending asymmetrical syncline with its axial plane dipping to the west. The Kootenay Formation is more than 1 000 metres thick and has up to 27 different seam groups. The stratigraphic thickness of a seam group may range up to 49 metres.

WORK DONE: Geological mapping, 1:10 000; aerial photography; ground control survey; and environmental studies.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 189; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 215; 1976, pp. E 215, E 216; 1977, pp. E 264, E 265.

COMOX COALFIELD

ASH RIVER PROJECT (Fig. E-1, NTS 92, No. 225)

LOCATION: Lat. 49° 27′ Long. 125° 02′ (92F/6, 11)
Twenty-six kilometres northwest of Alberni.

LICENCES: C.L. Nos. 4284 to 4303.

OWNER: Ramm Venture Corporation.

OPERATOR: HUDBAY COAL COMPANY, 700 Second Street SW, Calgary, Alberta T2P 0X5.

DESCRIPTION: The formations of interest are Upper Cretaceous in age. Volcanic rocks flanking the sedimentary rocks are thought to be Triassic in age. Sedimentary rocks occur in the Nanaimo Group and are as follows: Extension-Protection, Haslam, and Comox. Coal-bearing sequences occur in the Extension-Protection and Comox Formations. The structures of the project area are possibly greatly influenced by the Beaufort Range which is the major geological influence in the area. Structurally the Ash River area represents a region of clastic continental rocks flanked unconformably on all sides by volcanic rocks. A broad synclinal structure is present on the property. It trends northwest-southeast with a 3 to 5-degree plunge to the southeast. Data indicates that there are four coal zones present throughout the property. Examination of these zones showed them to be of extremely poor quality, thin, and very discontinuous and often shaling out.

WORK DONE: Limited surface mapping and diamond drilling, 14 holes, totalling 1 280 metres, logged with gamma-ray, neutron, density, and caliper instruments.

PEACE RIVER COALFIELD (Fig. E–6)

HANINGTON (Fig. E-1, NTS 93, No. 84)

LOCATION: Lat. 54° 14′ Long. 120° 16′ (93I/1, 8)
The property lies south of Narraway River and is bisected by Hanington Creek.

LICENCES: C.L. Nos. 4659 to 4673.

OWNER: DENISON MINES LIMITED, Coal Division, Box 11575, 650 West Georgia Street, Vancouver V6B 4N7.

DESCRIPTION: Rocks underlying the property comprise three main units – limestones, black shales, and sandstones. Lithology present within the limestone unit is considered to correlate with the Triassic Pardonet Formation. The black shale unit is correlatable with the shales and passage beds of Jurassic age and the lithologies of the sandstone unit are considered to correlate with the Minnes Group. The main structure is a broad syncline with a major fault on the western limb (westerly dipping thrust). The sandstone unit is the only one that contains any coal seams.

WORK DONE: Geological mapping, 1:10 000.

SECUS MOUNTAIN (Fig. E-1, NTS 93, No. 85)

LOCATION: Lat. 54° 32′ Long. 120° 35′ (93I/7, 8)
One hundred and fifty kilometres south of Dawson Creek.

LICENCES: C.L. Nos. 4201 to 4219.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

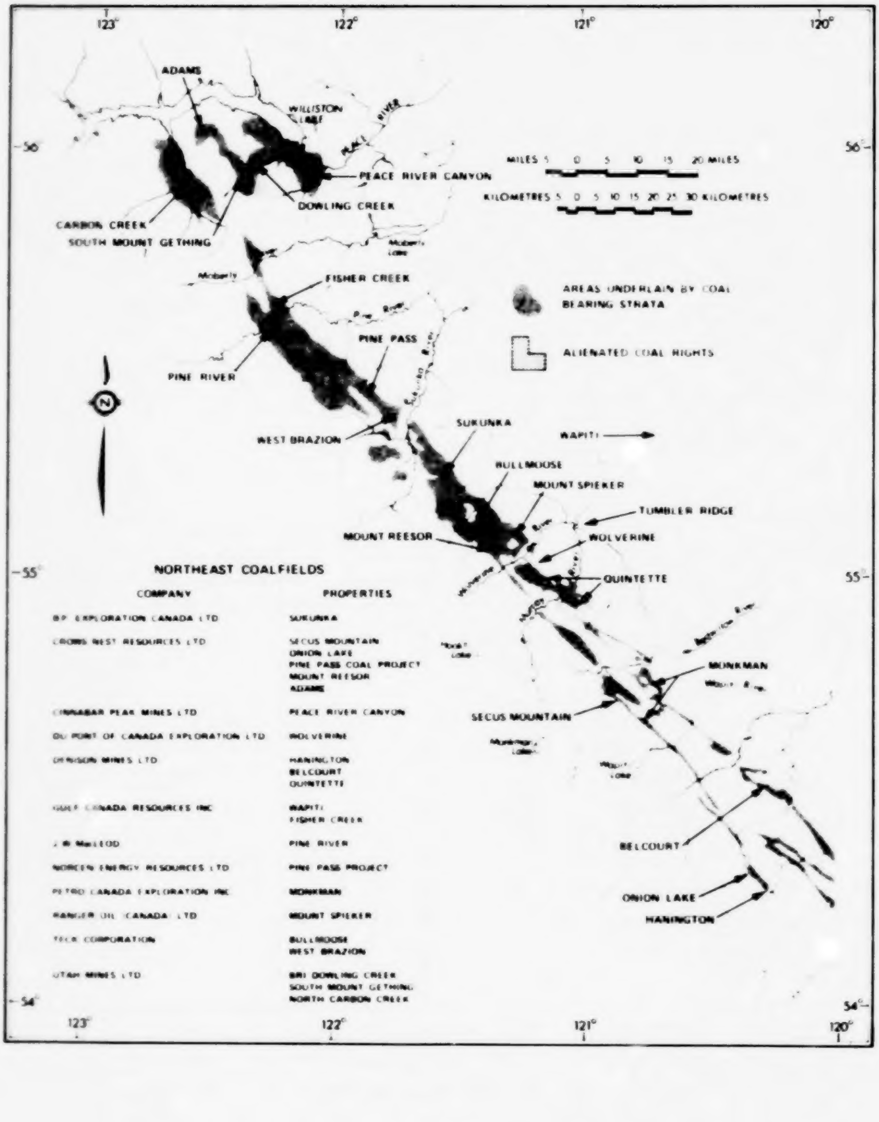
DESCRIPTION: The Secus Mountain property is underlain by Lower Cretaceous sedimentary rocks, including Minnes Group to Shaftesbury and younger formations. The property is characterized by southwest-dipping strata. These strata are terminated by a west-dipping thrust fault separating them from the Paleozoic sedimentary rocks which are located along the southwestern edge of the property. The coal measures are found in the Gates member of the Commotion Formation.

WORK DONE: Geological mapping, 1:25 000, and trenching.

MONKMAN (Fig. E-1, NTS 93, No. 86)

LOCATION: Lat. 54° 50′ Long. 121° 00′ (93I/7, 8, 10, 15)
South and east of Kinuseo Creek to Belcourt River, immediately east of the Rocky Mountain Foothills, 140 kilometres due south of Dawson Creek.

LICENCES: C.L. Nos. 3131 to 3135, 3138, 3139, 3141 to 3149, 3151 to 3155, 3157 to 3164, 3166 to 3168, 3170 to 3174, 3177 to 3184, 3187 to


123°
122°
121°
120°
56°
55°
54°
ADAMS
WILLISTON LAKE
PEACE RIVER
PEACE RIVER CANYON
DOWLING CREEK
CARBON CREEK
SOUTH MOUNT GETHING
Moberly Lake
Moberly
FISHER CREEK
Pine River
PINE PASS
Sukunka River
PINE RIVER
WEST BRAZION
SUKUNKA
WAPITI
BULLMOOSE
MOUNT SPIEKER
TUMBLER RIDGE
MOUNT REESOR
WOLVERINE
QUINTETTE
Wolverine River
MONKMAN
SECUS MOUNTAIN
BELCOURT
ONION LAKE
HANINGTON
MILES 5 0 5 10 15 20 MILES
KILOMETRES 5 0 5 10 15 20 25 30 KILOMETRES
AREAS UNDERLAIN BY COAL BEARING STRATA
ALIENATED COAL RIGHTS
N

NORTHEAST COALFIELDS

COMPANY	PROPERTIES
B.P. EXPLORATION CANADA LTD	SUKUNKA
CROWS NEST RESOURCES LTD	SECUS MOUNTAIN ONION LAKE PINE PASS COAL PROJECT MOUNT REESOR ADAMS
CINNABAR PEAK MINES LTD	PEACE RIVER CANYON
DU PONT OF CANADA EXPLORATION LTD	WOLVERINE
DENISON MINES LTD	HANINGTON BELCOURT QUINTETTE
GULF CANADA RESOURCES INC	WAPITI FISHER CREEK
J.R. MacLEOD	PINE RIVER
NORCEN ENERGY RESOURCES LTD	PINE PASS PROJECT
PETRO CANADA EXPLORATION INC	MONKMAN
RANGER OIL (CANADA) LTD	MOUNT SPIEKER
TECK CORPORATION	BULLMOOSE WEST BRAZION
UTAH MINES LTD	BRI DOWLING CREEK SOUTH MOUNT GETHING NORTH CARBON CREEK

3190, 3193, 3195 to 3207, 3209 to 3264, 3936 to 3960, 4518 to 4523, 5159 to 5170.

OWNERS: Petro-Canada Exploration Inc., Canadian Superior Exploration Limited, and McIntyre Mines Limited.

OPERATOR: PETRO–CANADA EXPLORATION INC., Box 2844, Calgary, Alberta T2P 2M7.

DESCRIPTION: The majority of the work carried out in 1979 was on the Duke Mountain block. The licences are underlain by Lower Cretaceous rocks. The area is severely folded and faulted. The other area of focus for 1979 exploration was the Nekik block, which is also underlain by Lower Cretaceous rocks. Geologically the Nekik block is a broad synclinal structure, whose axis strikes roughly northwest-southeast and plunges gently to the northwest. The western rim of the syncline is truncated by a major overthrust of Paleozoic rocks and is characterized by sharp folding. The eastern limb of the syncline forms the west-facing dip slope of Nekik Mountain.

WORK DONE: Geological mapping, 1:5000; road construction; diamond drilling, 18 holes, totalling 5 298 metres, and rotary drilling, 35 holes, totalling 5 822 metres, logged with caliper, density, focused beam, gamma-ray, resistivity, and neutron instruments; 4 adits driven; sampling; and trenching, 4 backhoe trenches.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 583-585; Exploration in B.C., 1975, pp. E 220, E 221; 1976, p. E 219; 1978, p. E 307.

BELCOURT PROJECT (Fig. E-1, NTS 93, No. 87)

LOCATION: Lat. 54° 20′-40′ Long. 120° 00′-40′ (93I/8, 9)
The property extends from Alberta-British Columbia border northwest to the Wapiti River, a distance of 50 kilometres.

LICENCES: C.L. Nos. 2822 to 2850, 3713 to 3863, 4752 to 4754, 5157, 5158.

OWNER: DENISON MINES LIMITED, Coal Division, Box 11575, 650 West Georgia Street, Vancouver V6B 4N7.

DESCRIPTION: This area consists mainly of folded and faulted Lower Cretaceous strata. The coal licences cover the northeast limb of the Belcourt anticlinorium which is northwesterly plunging. The structure is somewhat modified in the southeast by the Saxon syncline. The Gates member of the Commotion Formation has up to nine separate coal zones, some of these being seams in excess of 2 to 3 metres. This would give a maximum aggregate extractable thickness of 25 metres. The Gething and Minnes Groups also have coal zones, but of lesser economic significance.

WORK DONE: Topographical mapping, 1:5000, and geological mapping, 1:2500; diamond drilling, 15 holes, totalling 4 987 metres, with gamma-ray, neutron, sidewall densilog, focused beam resistivity, caliper, and direction survey responses or tests on all but one hole; 3 adits, totalling 185 metres; and trenching, 115 hand trenches, 6 backhoe trenches, and 31 caterpillar trenches.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 46, 47; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 220; 1976, pp. E 217, E 218; 1977, p. E 270; 1978, p. E 306.

ONION LAKE (Fig. E-1, NTS 93, No. 88)

LOCATION: Lat. 54° 41′ Long. 120° 53′ (93I/10)
The licences are approximately 125 kilometres south of Dawson Creek.

LICENCES: C.L. Nos. 4220 to 4223.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The licences overlie a Lower Cretaceous sequence of sedimentary rocks from the Minnes Group to the Commotion Formation. The property covers a portion of the Onion syncline which plunges both northwest and southeast from the centre of the property. The coal measures are in the Commotion Formation.

WORK DONE: Geological mapping, 1:50 000.

QUINTETTE PROJECT (Fig. E-1, NTS 93, No. 89)

LOCATION: Lat. 55° 01′ Long. 121° 15′ (93I/14, 15)
Approximately 100 kilometres southwest of Dawson Creek.

LICENCES: C.L. Nos. 4530 to 4543, 4755 to 4757.

OWNER: Quintette Coal Limited.

OPERATOR: DENISON MINES LIMITED, 1500, 444 Fifth Avenue SW, Calgary, Alberta T2P 2T8.

DESCRIPTION: In the Wolverine Valley, a complete sequence of Lower Cretaceous rocks are known to exist. The Cadomin, Nikanassin, and Gething Formations are well exposed in the western half of the property. The eastern half of the Wolverine Valley is underlain by alluvial deposits, therefore no bedrock is exposed. Two anticlinal structures are part of a major anticline with its axial plane at right angles to the trend of the valley. The western limb of this anticline is cut by a southwest-dipping reverse fault.

WORK DONE: Geological mapping, 1:2500.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 37-42; *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 164-167; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 219; 1977, pp. E 270, E 271.

FISHER CREEK PROJECT (Fig. E-1, NTS 93, No. 83)

LOCATION: Lat. 55° 38′ Long. 122° 17′ (93O/9)
Forty-three kilometres west of Chetwynd.

LICENCES: C.L. Nos. 4750 and 4751.

OWNER: GULF CANADA RESOURCES INC., 401 Ninth Avenue SW, Calgary, Alberta T2P 2H7.

DESCRIPTION: The property is underlain by folded and faulted strata of the coal-bearing Lower Cretaceous Gething Formation of the Bullhead Group. Three coal seams were exposed in road cuts. The Pine River anticlinorium structurally controls the area, and it comprises two main elements: the Fisher Creek and the Willow Creek anticlines. These two anticlines are well developed northwest and southeast respectively of the licences, but cease to remain distinct in the Pine River valley. Here they dissolve into a number of lesser folds cut by minor high-angle reverse faults.

WORK DONE: Reconnaissance geological mapping; trenching; and sampling.

PINE PASS COAL PROJECT (Fig. E-1, NTS 93, No. 90)

LOCATION: Lat. 55° 32′-40′ Long. 122° 07′-22′ (93O/9)
The property is approximately halfway between Pine Pass in the Rocky Mountains and the town of Chetwynd 70 kilometres to the east.

LICENCES: C.L. Nos. 4476 to 4500, 4503, 4504.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The strata in this area consist of numerous coal seams, siltstones, shales, and fine-grained sandstones in rhythmic recurrence. The middle and upper sequence of the Gething Formation is exposed in this area and is believed to have a true thickness of 300 metres. The structure of the Noman Creek area is complex with abundant small-scale folds and faults. The Noman Creek syncline, Noman Creek anticline, and Fisher Creek syncline are the three main folds. There are several shear zones and two reverse faults in the Noman Creek area.

WORK DONE: Field mapping, 1:5000; hand trenching; and channel sampling.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 46, pp. 15-17; Bull. 52, p. 87; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 467; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 423.

PINE RIVER (Fig. E-1, NTS 93, No. 91)

LOCATION: Lat. 55° 36′ Long. 122° 14′ (93O/9)
Adjacent to Pine River valley, 38 kilometres west of Chetwynd.

LICENCES: C.L. Nos. 3986 to 3993.

OWNER: J. W. MacLeod.

OPERATOR: J. R. BILLINGSLEY, 631, 837 West Hastings Street, Vancouver V6C 1B6.

DESCRIPTION: The licences overlie Lower Cretaceous rocks. Exposure is poor. Bedding attitudes commonly range from north 30 degrees to 60 degrees west/25 degrees to 40 degrees northeast. The more westerly attitudes occur at the south end of the grid indicating a slight eastward curving of the beds along the northern trend.

WORK DONE: Geological mapping, 1:2500, and surveying.

PEACE RIVER CANYON (Fig. E-1, NTS 93, No. 92)

LOCATION: Lat. 55° 56′ Long. 122° 08′ (93O/16; 94B/1E)
About 24 kilometres southwest of Hudson Hope, on Coalbed and Johnson Creeks.

LICENCES: C.L. Nos. 3407 to 3444.

OWNER: CINNABAR PEAK MINES LTD., 10549 – 110th Street, Edmonton, Alberta T5H 3C6.

DESCRIPTION: Coal seams occur in the Gething Formation in both limbs and the southern end of a southerly plunging anticline. Although in places a total of over 13 metres of coal occurs in a 130-metre vertical succession of strata, the seams are generally thin and variable. The thickest and most continuous seam, the Trojan, is up to 3 metres thick and is relatively free of partings.

WORK DONE: Reflection and refraction seismic survey.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 200, 201; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 642; 1973, p. 588.

BRI DOWLING CREEK (Fig. E-1, NTS 93, No. 93)

LOCATION: Lat. 55° 57′ Long. 122° 18′ (93O/16)
Three kilometres southwest from the Bennett Dam.

LICENCES: C.L. Nos. 3642 to 3654, 5174, 5175.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The property is underlain by folded sedimentary rocks of the Lower Cretaceous Bullhead and Fort St. John Groups. The oldest unit outcropping on the property is the Gething Formation. A major north to northeast-trending synclinal axis lies approximately along the eastern boundary of the northern group of coal licences. Nearly all of the property lies west of this synclinal axis toward an adjacent and roughly parallel anticlinal axis. These fold axes plunge gently to the south. Folding is broad and gentle with bedding dip angles generally less than

	15 degrees. Faulting is not a prominent structural feature on the property area, although one or more low-angle fault zones have been discovered by drilling. The coal measures are found in the Gething Formation.
WORK DONE:	Diamond drilling, 6 holes, totalling, 2 504.5 metres, logged with gamma-ray and density instruments; road rehabilitation; and reclamation work.
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 19, 20; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 273, E 274; 1978, p. E 308.

SOUTH MOUNT GETHING PROJECT (Fig. E-1, NTS 93, No. 94)

LOCATION:	Lat. 55° 58′ Long. 122° 25′ (93O/16; 94B/1) Sixty kilometres northwest of Chetwynd.
LICENCES:	C.L. Nos. 4120 to 4152.
OWNER:	UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.
DESCRIPTION:	The South Mount Gething property is underlain by Minnes Group and Bullhead Group sedimentary rocks which have been folded into a broad, south-plunging anticline, the axis of which heads in a southerly direction. Aside from a thrust fault on South Mount Gething, faulting is not a prominent structural feature in the property area. Minor folding is present.
WORK DONE:	Geological mapping, 1:10 000; road construction; diamond drilling, 7 holes, totalling 1 493 metres, logged with gamma-ray and density instruments; road construction; and reclamation work.

WOLVERINE PROJECT (Fig. E-1, NTS 93, No. 95)

LOCATION:	Lat. 55° 02′ Long. 121° 08′ (93P/3; 93I/14) Eighty kilometres south of Chetwynd along a gravel road.
LICENCES:	C.L. Nos. 3914 to 3929.
OWNERS:	Du Pont of Canada Exploration Limited and Canadian Island Creek Ltd.
OPERATOR:	DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.
DESCRIPTION:	The licences are underlain by a generally eastward dipping sequence of Lower Cretaceous freshwater and marine sediments of the Fort St. John Group In this area the main structural feature recognized is a strong anticline running the length of the property. At this stage, the lack of unmistakable marker horizons and stratigraphic identifications make structural interpretation difficult and tentative.
WORK DONE:	Geological mapping, 1:10 000, and diamond drilling, 2 holes, totalling 697.2 metres, logged with gamma-neutron, focused beam, sidewall density, and caliper instruments.

MOUNT REESOR COAL PROPERTY (Fig. E-1, NTS 93, No. 96)

LOCATION: Lat. 55° 04′ Long. 121° 26′ (93P/3)
One hundred and five kilometres southwest of Dawson Creek.
LICENCES: C.L. Nos. 4472 and 4473.
OWNER: Shell Canada Resources Limited.
OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.
DESCRIPTION: The Gething and Commotion Formations are both known to contain coal seams. The Cadomin Formation and the Upper Minnes Group also contain some coal in the Mount Reesor area. The property overlies an area of complex geologic structure. The main folds of the property are a northwest-plunging syncline and anticline. The anticline through one licence is truncated by a thrust fault. A second thrust fault runs parallel to the Mount Reesor syncline through the centre of the other licence.
WORK DONE: Geological mapping, 1:50 000.

MOUNT SPIEKER (Fig. E-1, NTS 93, No. 97)

LOCATION: Lat. 55° 10′ Long. 121° 22′ (93P/3)
Approximately 65 kilometres south of Chetwynd.
LICENCES: C.L. Nos. 3930 to 3932.
OWNER: RANGER OIL (CANADA) LTD., 26th Floor, 330 Fifth Avenue SW, Calgary, Alberta.
DESCRIPTION: The licence area is underlain by sedimentary rocks of Early Cretaceous age. Structurally the area is a belt of highly deformed rocks between two thrust faults. Deformation within the belt of rocks is mainly disharmonic with some overturned folds, suspected near the western margin. The two major folds which pass through the central and eastern portions of the area are relatively harmonic but the anticline has a southerly plunge and the syncline has a slight northerly plunge. The Gething Formation and the Gates member of the Commotion Formation are the principal coal-bearing units in the area. The exploration program indicated that the licence area has low potential for mineable coal reserves when current mining techniques and economic conditions are taken into consideration.
WORK DONE: Reconnaissance geological mapping and geological mapping, 1:10 000.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 35, 36; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 224; 1976, p. E 221; 1977, p. E 271; 1978, pp. E 308, E 309.

BULLMOOSE COAL PROPERTY (Fig. E-1, NTS 93, No. 98)

LOCATION: Lat. 55° 08′ Long. 121° 31′ (93P/3, 4)
Approximately 60 kilometres south of Chetwynd.

LICENCES: C.L. Nos. 3024, 3029, 3043, 3048, 3558 and strata title (BP Exploration Canada Limited) 3022, 3023, 3033, 3038.

OWNERS: Brameda Resources Ltd. and Teck Corporation.

OPERATOR: TECK CORPORATION, 1199 West Hastings Street, Vancouver.

DESCRIPTION: A broad relatively shallow northwest-trending syncline occupies essentially all of the Bullmoose property. The western limb in the northern part is the eastern limb of the anticline on the Chamberlain property. Coal measures in the Gates Formation contain two different seams. Within the Gething Formation both the Bird and Chamberlain seams occur as well-developed coal intervals.

WORK DONE: Diamond drilling, 12 Winkie holes, totalling 334.7 metres, and 1 adit driven, totalling 45.7 metres.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 31-34; *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 204, 205; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 221; 1977, p. E 272.

SUKUNKA PROPERTY (Fig. E-1, NTS 93, No. 99)

LOCATION: Lat. 55° 11' Long. 121° 31' (93P/3, 4, 5)
Sixty kilometres south of Chetwynd, on the west slope of Bullmoose Mountain.

LICENCES: C.L. Nos. 3014 to 3023, 3025, 3026, 3028, 3033, 3038, 3089 to 3129, 3554 to 3557, 3559.

OWNERS: BP Exploration Canada Limited, Brascan Resources Limited, and Teck Corporation.

OPERATOR: BP EXPLORATION CANADA LIMITED, Coal Division, 333 Fifth Avenue SW, Calgary, Alberta T2P 3B6.

DESCRIPTION: The licence area is underlain by sedimentary rocks of Early Cretaceous age. Because the Gates member contains seams which are less than 1.5 metres, work has been concentrated on the Gething Formation which is 240 metres thick and where there are eight known coal seams. Half of the coal seams are contained in the lower 45 metres of the formation. Structurally, the Gething strata lie within a broad syncline bordered on the northeast by the Bullmoose fault complex. Two major thrust faults have dislocated the strata into three blocks.

WORK DONE: Geological mapping, 1:5000; road construction; diamond drilling, 12 holes, totalling 2 788 metres, logged with gamma (general and detail), long-spaced density (general and detail), bed resolution, density (detail), and neutron instruments on all holes, with caliper instrument on 9 holes, dipmeter survey on 5 holes, and directional survey on 10 holes; trenching, 8 hand trenches and 3 mechanized trenches; and reclamation work.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 26-30;

B.C. Ministry of Energy, Mines & Pet. Res., Coal in B.C., A Technical Appraisal, 1976, pp. 162, 163; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 226; 1977, pp. E 272, E 273; 1978, p. E 309.

SUKUNKA NORTH (Fig. E-1, NTS 93, No. 100)

LOCATION: Lat. 55° 20′ Long. 121° 40′ (93P/4, 5)
Forty-five kilometres south of Chetwynd.

LICENCES: C.L. Nos. 3530 to 3533, 3535 to 3545, 3547 to 3549, 3551, 3552, 3608 to 3617, 4029 to 4053.

OWNER: Master Explorations Ltd.

OPERATOR: BP EXPLORATION CANADA LIMITED, Coal Division, 333 Fifth Avenue SW, Calgary, Alberta T2P 3B6.

DESCRIPTION: Rocks range in age from Jurassic to Early Cretaceous. The area is a series of *en echelon* anticlines and synclines with associated faulting. The structures occur with a northwesterly trend. Lower Cretaceous sedimentary rocks contain potential coal measures.

WORK DONE: Geological mapping, 1:10 000; trenching, 9 hand trenches; and diamond drilling, 2 holes, totalling 448 metres, logged with neutron, gamma-ray, bulk density, caliper, and bed resolution density instruments.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 309, E 310.

WEST BRAZION (Fig. E-1, NTS 93, No. 101)

LOCATION: Lat. 55° 21′ Long. 122° 00′ (93P/5W)
Forty-four kilometres southeast of Chetwynd.

LICENCES: C.L. Nos. 4524 to 4529.

OWNER: Amalgamated Brameda-Yukon Limited.

OPERATOR: TECK CORPORATION, 1199 West Hastings Street, Vancouver.

DESCRIPTION: The West Brazion licences are underlain by the Gething, Cadomin, and upper members of the Minnes Group. To the west of the property there is an east-dipping thrust fault of moderate displacement. Directly west of this fault are tightly folded rocks of the Gething and Cadomin Formations. The structural trend of these features is to the northwest. The coal measures are found in the Lower Gething.

WORK DONE: Geological mapping, 1:10 000, and diamond drilling, 2 Winkie holes, totalling 97.1 metres.

PINE PASS PROJECT (Fig. E-1, NTS 93, No. 102)

LOCATION: Lat. 55° 30′ Long. 122° 00′ (93P/5; 93O/8, 9)
Thirty-five kilometres southwest of Chetwynd.

LICENCES: C.L. Nos. 2910 to 2912, 2916 to 2918, 2922 to 2930, 2941, 2942, 2944 to 2946, 2948 to 2950, 2971, 3565, 3570 to 3572, 3579, 3711, 3712.

OWNERS: Pan Ocean Oil Limited and Norcen Energy Resources Limited.
OPERATOR: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.
DESCRIPTION: The licences are underlain by Lower Cretaceous rocks. The western side of the property is bounded by a major thrust fault which essentially puts Cadomin and older formation on top of the younger rocks of the Gething Formation. The eastern side of the property is also affected by thrusting but it is only apparent at the southeastern end. The area between the thrusts is tightly folded. The coal seams with most economic potential lie in the top 200 metres of the Gething Formation.
WORK DONE: Geological mapping, 1:10 000; diamond drilling, 7 holes, totalling 1 700 metres, logged with sidewall densilog, gamma-ray, and neutron instruments; trenching, 3 trenches; and sampling of trenches.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 587, 588; Exploration in B.C., 1975, p. E 227.

WAPITI PROJECT (Fig. E-1, NTS 93, No. 103)

LOCATION: Lat. 55° 32′ Long. 120° 15′ (93P/7)
Twenty-two kilometres south of Dawson Creek.
LICENCES: C.L. Nos. 4758 to 5156, 5314 to 5398.
OWNER: GULF CANADA RESOURCES INC., Coal Division, Box 130, Calgary, Alberta T2P 2H7.
DESCRIPTION: The licences cover a large area of Upper Cretaceous Wapiti Formation strata. The coal property has been divided into two exploration areas, the Kiskatinaw block and the Iris Lake block. The structure of each is different. Kiskatinaw covers an area of broadly folded strata forming a southeasterly plunging synclinorium. Dips vary from 1 to 6 degrees (north to south). Two high-angle reverse faults have been defined. The trend of all the structures in this area (north 45 degrees west) have a different orientation to the trend of the fold mountain belt (north 35 degrees west). Iris Lake covers the northwest portion of a large syncline which trends 40 degrees west. The structure has a shallow southeasterly plunge and the northeastern limb dips 9 degrees. No faults have been identified here as yet.
WORK DONE: Geological mapping, 1:50 000, rotary drilling, 47 holes, totalling 6 921 metres, boreholes logged with gamma-ray, neutron, sidewall densilog, and focused beam instruments; trenching; and sampling of core.

ADAMS COAL PROPERTY (Fig. E-1, NTS 94, No. 27)

LOCATION: Lat. 55° 53′-56° 05′ Long. 122° 21′-37′ (94B/1, 93O/15)
Twenty-three kilometres west of the Bennett Dam.
LICENCES: C.L. Nos. 4153 to 4184.
OWNER: Shell Canada Resources Limited.

OPERATOR: **CROWS NEST RESOURCES LIMITED**, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The bedrock consists mostly of Lower Cretaceous formations. The property is relatively simple structurally, consisting of the Adams syncline in the northwest and the Gething Creek anticline in the southeast. Both structures plunge gently to the southeast. The relatively flat-lying axial regions may have potential for future mining operations. The coal measures occur in the Gething Formation and seams greater than 2 metres thick have been encountered.

WORK DONE: Topographical and geological mapping, 1:10 000, and diamond drilling, 4 holes, totalling 819.2 metres, and rotary drilling, 2 holes, totalling 611.1 metres, logged with gamma-ray, neutron, sidewall densilog, caliper, and focused beam instruments.

NORTH CARBON CREEK (Fig. E-1, NTS 94, No. 28)

LOCATION: Lat. 56° 02′ Long. 122° 46′ (94B/2)
The licence group lies on the west side of Carbon Arm on the south side of Williston Lake, approximately 36 kilometres west from the Bennett Dam.

LICENCES: C.L. Nos. 4124 to 4128.

OWNER: **UTAH MINES LTD.**, 1600, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The area is mainly underlain by Lower Cretaceous sedimentary rocks. The property lies within the structural area referred to as the Carbon syncline. The axis is southeasterly in direction and moderately sinuous. In addition the axis is doubly plunging from the north and south causing a basin-like form to the area. The property lies on the northernmost end of this basin.

WORK DONE: Geological mapping, 1:10 000.

TELKWA COALFIELD

NANIKA MOUNTAIN COAL PROJECT – LAMPREY CREEK (Fig. E-1, NTS 93, No. 104)

LOCATION: Lat. 54° 06′ Long. 127° 15′ (93L/3)
Fifty kilometres southwest of Houston.

LICENCES: C.L. Nos. 4328 to 4370.

OWNER: **BP EXPLORATION CANADA LIMITED**, 333 Fifth Avenue SW, Calgary, Alberta T2P 3B6.

DESCRIPTION: Rocks underlying the licences belong to the Early Cretaceous Skeena Group. The eastern portion of the licences is underlain by sedimentary rocks consisting of greywacke and arkosic sandstone with occasional argillite and conglomerate interbeds. The western portion consists of basaltic and andesitic volcanic rocks. Faulting and folding within the area appear to be discontinuous with no apparent regional trends. This could be due to the effects of nearby igneous activity. No coal-bearing strata was observed in the lease area, therefore further exploration work was not recommended.

WORK DONE: Detailed geological mapping, 1:25 000.

SMITHERS AREA COAL PROSPECTS (Fig. E-1, NTS 93, No. 105)

LOCATION: Lat. 54° 30′ Long. 127° 30′ (93L/3, 6, 11, 14)

LICENCES: C.L. Nos. 4229 to 4241, 4246 to 4250, 4252 to 4255, 4257, 4260 to 4262, 4264, 4265, 4267, 4269 to 4283, 5178 to 5183, 5185, 5190.

OWNER: Shell Canada Resources Limited.

OPERATOR: CROWS NEST RESOURCES LIMITED, Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The rocks underlying this property form part of the Hazelton Group of Jurassic-Cretaceous age. The thickness of the coal measures in the Smithers area is quite variable but probably does not exceed 350 metres. The geological structure of the sedimentary rocks in the Smithers area is complex.

WORK DONE: Geological mapping, diamond drilling, 3 holes, totalling 260 metres, and rotary drilling, 13 holes, totalling 1 500 metres, logged with gamma-ray, neutron, and density instruments; trenching, 17 hand trenches, totalling 46.8 metres, and 1 bulldozer trench, totalling 9 metres; reclamation of drill sites and roads, road construction, and sampling.

TELKWA COAL PROJECT (Fig. E-1, NTS 93, No. 106)

LOCATION: Lat. 54° 37′ Long. 127° 08′ (93L/11)
Twenty kilometres south of Smithers.

LICENCES: C.L. Nos. 3709, 3710, 3875 to 3885.

OWNER: Bulkley Valley Coal Limited.

OPERATOR: CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: The Telkwa Formation of the Hazelton volcanic rocks is overlain by the Lower Cretaceous Skeena Group in which the coal horizons occur. The sedimentary rocks are gently folded along a northerly to northwesterly trending axis. The structure is complex with numerous, predominantly northwesterly faults with significant displacement. Often these fault planes are found to have been intruded by porphyritic dykes.

WORK DONE: Diamond drilling, 4 holes, totalling 310 metres, with lithologic logs done.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 216; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 425; Exploration in B.C., 1978, pp. E 310, E 311.

GROUNDHOG COALFIELD

GROUNDHOG PROPERTY (Fig. E-1, NTS 104, No. 113)

LOCATION: Lat. 56° 47′-58′ Long. 128° 07′-30′ (104A/16)
One hundred and fifty kilometres northeast of Stewart.

LICENCES: C.L. Nos. 4381 to 4457.

OWNER: GROUNDHOG COAL LTD., 904, 675 West Hastings Street, Vancouver.

DESCRIPTION: The Groundhog area is underlain by fluvial clastic rocks. There is a wide range of depositional types from thick pebble conglomerates to the Morly Overbank series. Apart from dividing outcropping lithologies into four groups, no detailed correlations within the rock units have been achieved to date. Structurally, folding and related faulting are the dominant types of deformation seen in the area. On a regional basis the strata is in the form of a rectilinear block defined by the northwest parallel valleys of the Skeena and Nass Rivers. The coal licence area forms a synclinal basin with its axis running parallel to the Skeena River. This basin plunges gently to the southeast. Beds are minimally disturbed.

WORK DONE: Geological mapping, 1:50 000.

MOUNT KLAPPAN PROPERTY (Fig. E-1, NTS 104, No. 114)

LOCATION: Lat. 57° 30′ Long. 128° 55′ (104H/2, 7)
One hundred and seventy kilometres northeast of Stewart.

LICENCES: C.L. Nos. 3961 to 3985.

OWNER: ESSO MINERALS CANADA LIMITED, Coal Department, 500 Sixth Avenue SW, Calgary, Alberta T2P 0S1.

DESCRIPTION: The stratigraphy is a generally regressive clastic sequence with meandering river facies overlying and partly intercalated with a deltaic and minor deep marine facies. Thin coal seams occur throughout the fluvial unit in the finer grained portions. The thickest seams occur in the deltaic facies, usually near the upper transition to the fluvial facies. The total thickness exposed on the property may be 1 000 metres. Structure is complex largely due to a strong thrust from the southwest. Folding is closely spaced and varies from open to overturned in the northeast. Thick conglomerate units tend to be broken by thrust faults, while siltstone and shale are more likely to be folded.

WORK DONE: Geological mapping and sampling.

TUYA RIVER COALFIELD

THUNDERCLOUD COAL PROJECT (Fig. E-1, NTS 104, No. 115)

LOCATION: Lat. 58° 15′ Long. 130° 45′ (104J/1)
Forty-six kilometres southwest of Dease Lake and forty-four kilometres northeast of Telegraph Creek along a gravel road joining the two communities.

LICENCES: C.L. Nos. 4545 to 4558.

OWNER: Pacific Petroleums Ltd.

OPERATOR: PETRO-CANADA EXPLORATION INC., Box 2844, Calgary, Alberta T2P 2M7.

DESCRIPTION: Licences forming the property cover the Cretaceous coal-bearing sedimentary rocks of the Skeena Group strata. The area is structurally complex. Block faults and thrusts each show a strike slip component and there also appears to be some related drag folding. A few minor intrusions have been observed along probable fault zones and there is a regional sub-greenschist facies of metamorphism. The rank of the sub-bituminous coal appears to have been increased by the metamorphism. Exploration to date has identified three distinct coal seams.

WORK DONE: Detailed mapping, 1:10 000, hand trenching, diamond drilling, 4 holes, totalling 878 metres, 3 holes logged with gamma-ray, neutron, and bulk density instruments, and sampling.

TUYA RIVER (Fig. E-1, NTS 104, No. 116)

LOCATION: Lat. 58° 15′ Long. 130° 20′ (104J/2)
Forty-six kilometres southwest of Dease Lake.

LICENCES: C.L. Nos. 3904 to 3913.

OWNER: Esso Minerals Canada Limited and W. E. Kleinhout.

OPERATOR: ESSO MINERALS CANADA LIMITED, Coal Department, 500 Sixth Avenue SW, Calgary, Alberta T2P 0S1.

DESCRIPTION: The clastic and volcanic rocks on the Tuya River property have been correlated with the Upper Cretaceous-Lower Tertiary Sustut Group. The structural geology of the property appears to be moderately complex. The dip of bedding surfaces range from horizontal to 80 degrees, generally being toward the east or northeast at 25 to 35 degrees. Some folding and faulting was observed and more hypothesized. Various coal seams outcrop in the area.

WORK DONE: Geological mapping, 1:10 000, and sampling.

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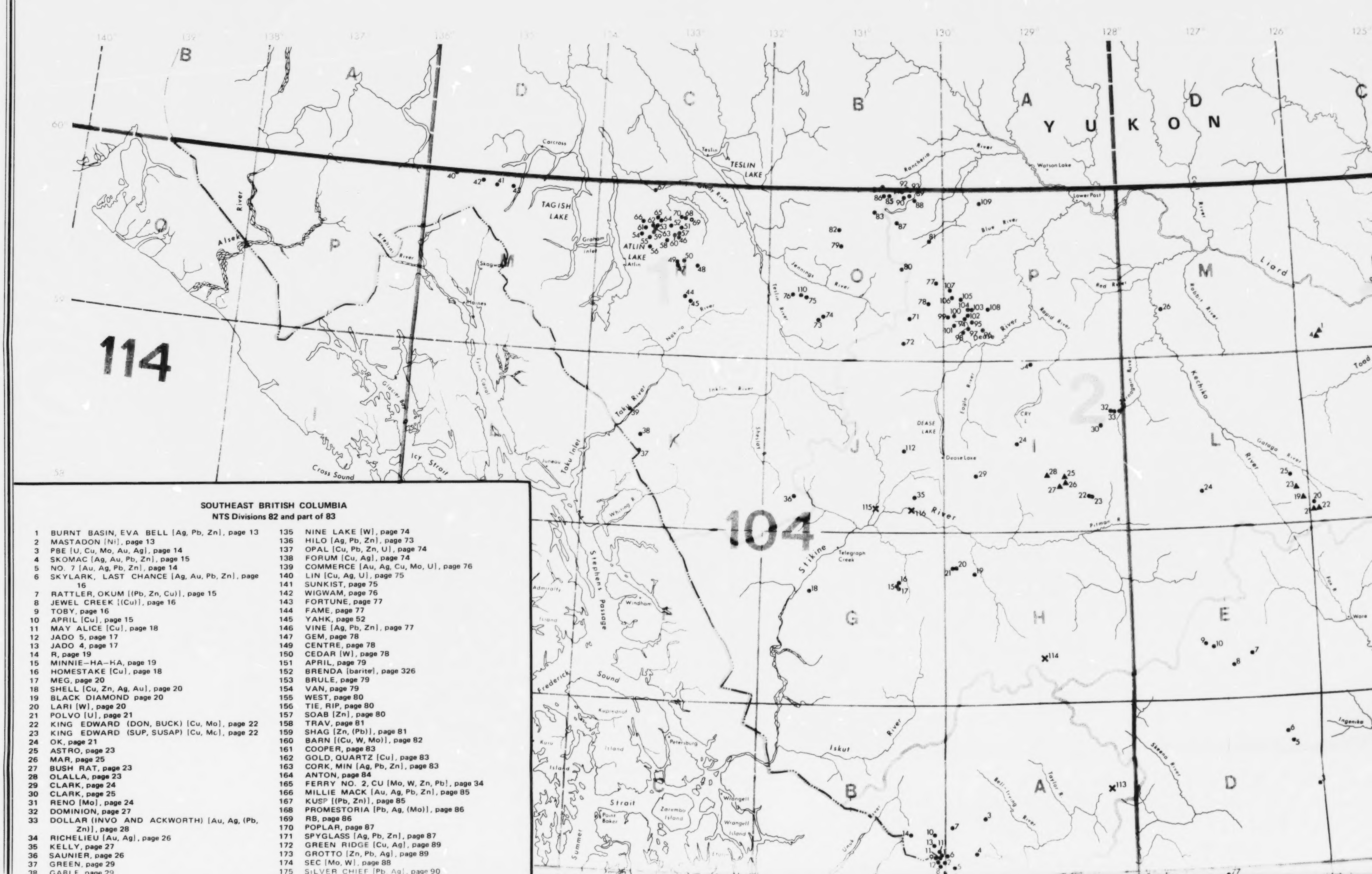
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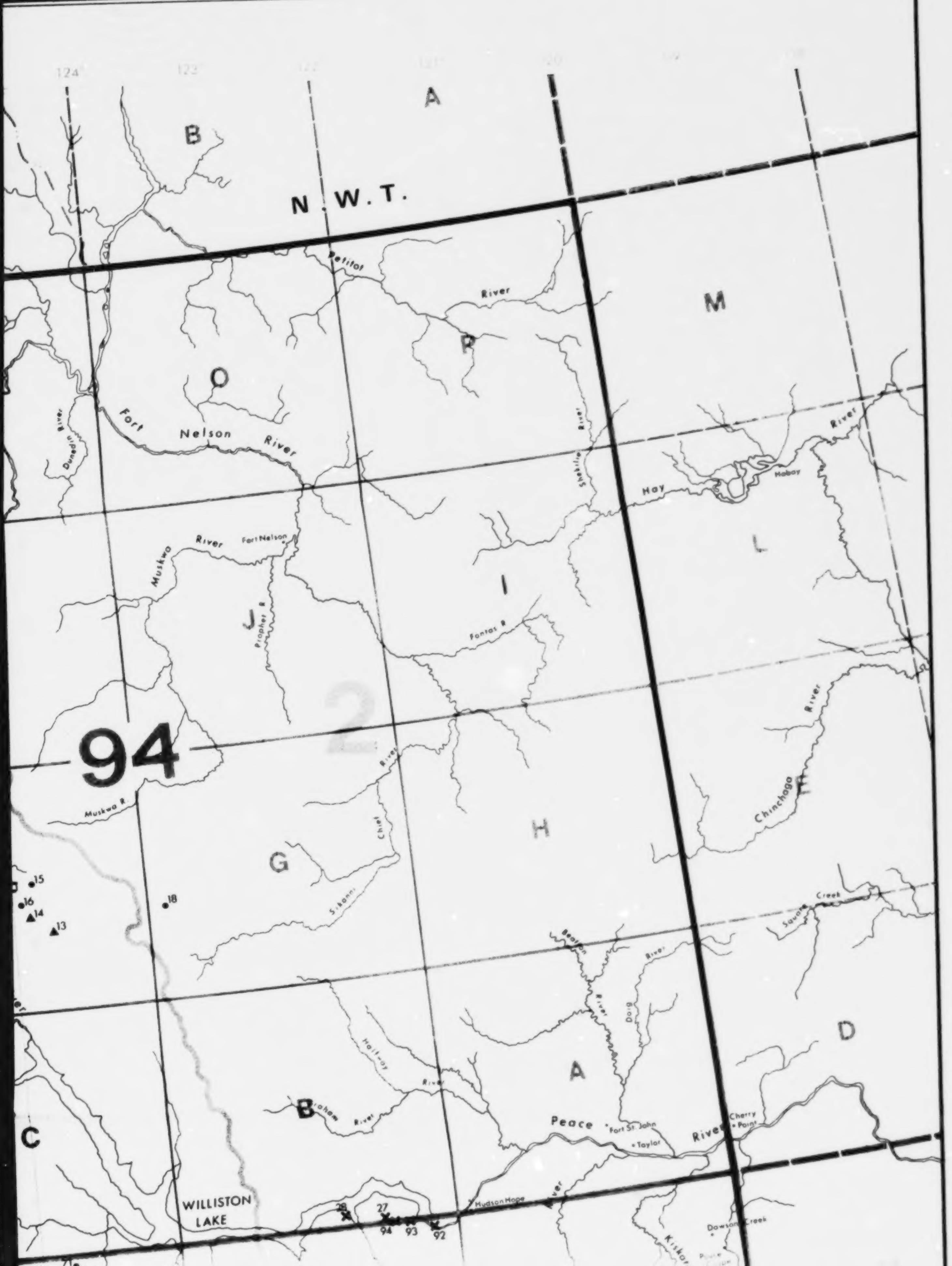

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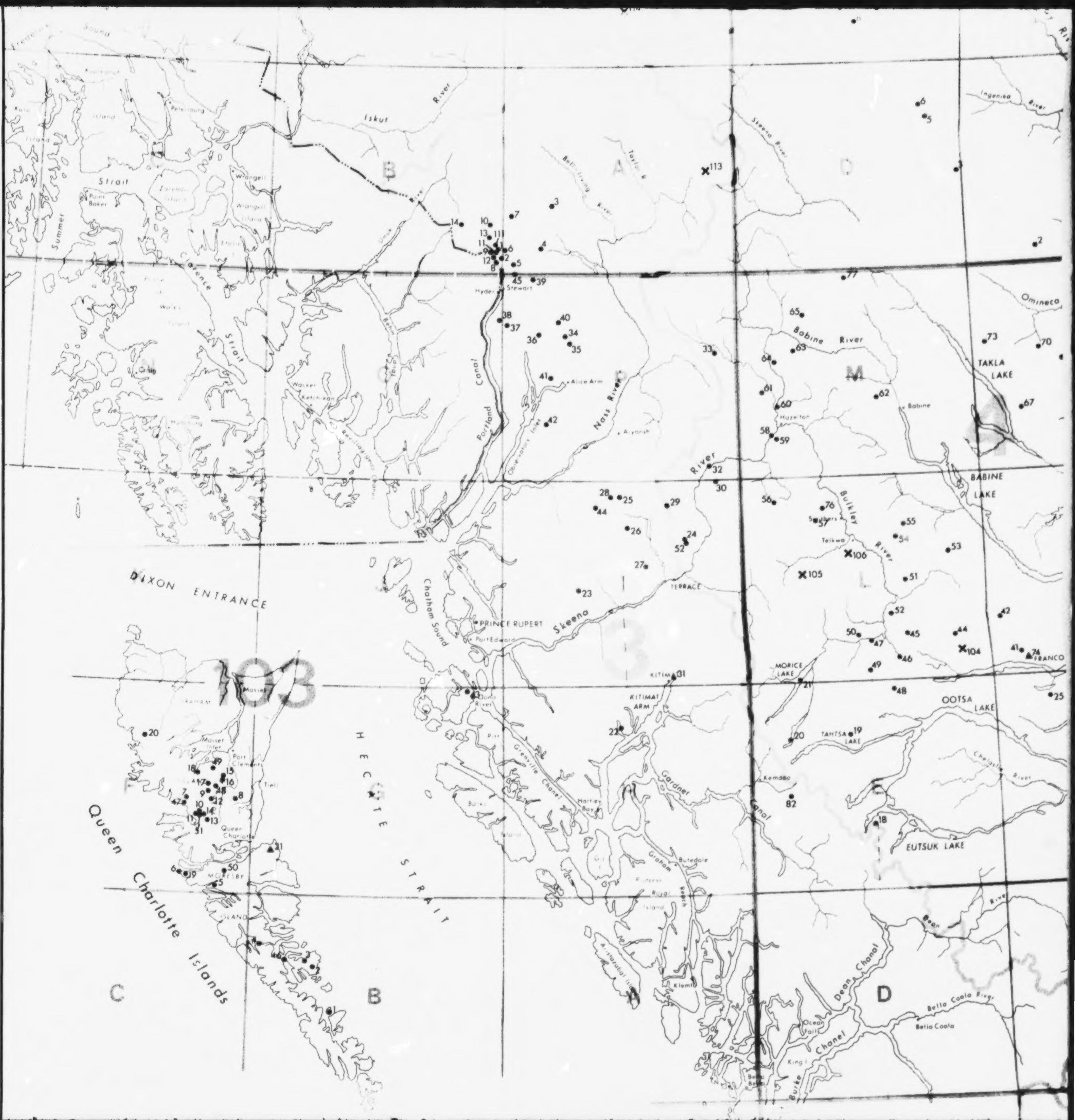
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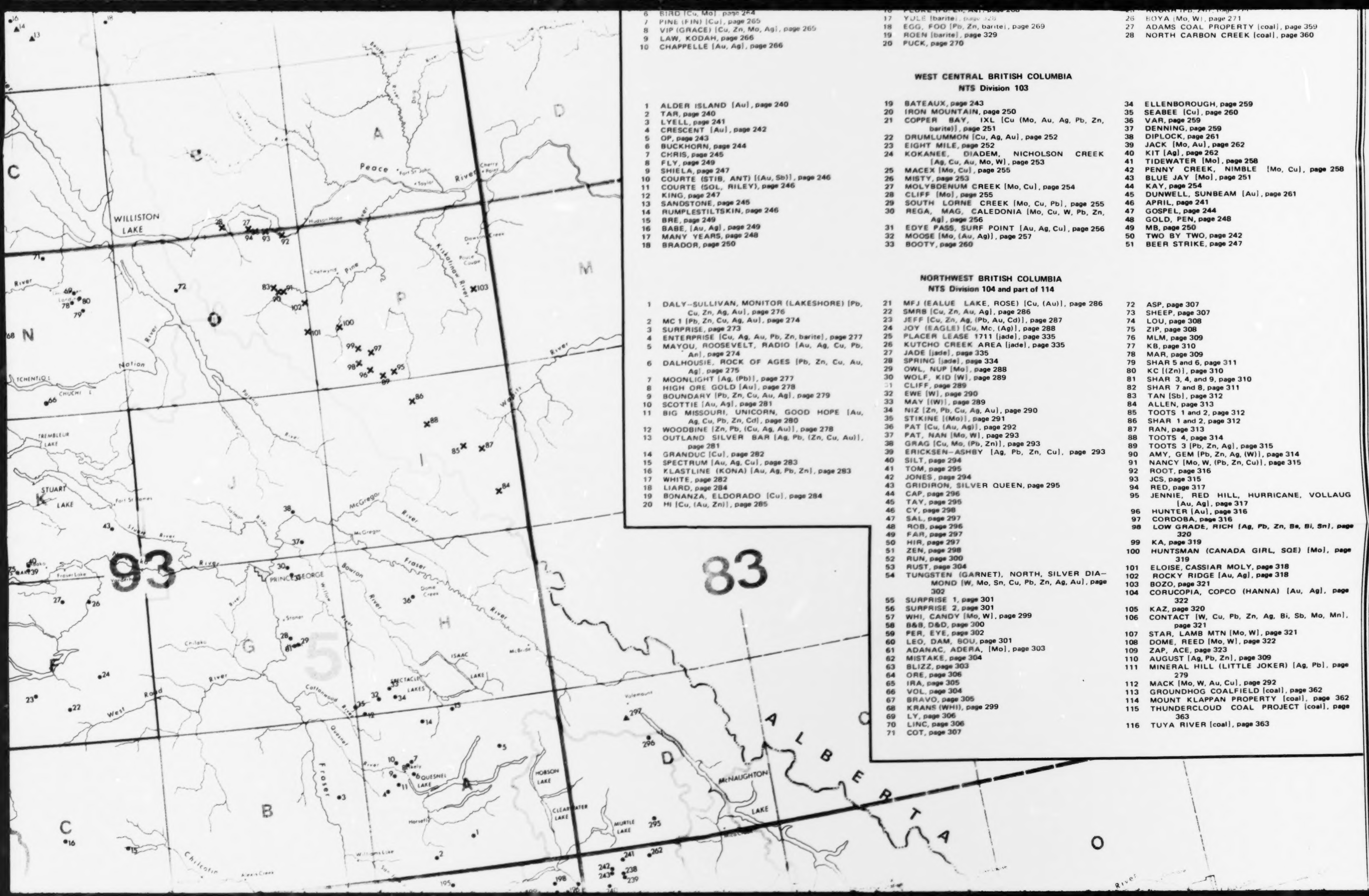
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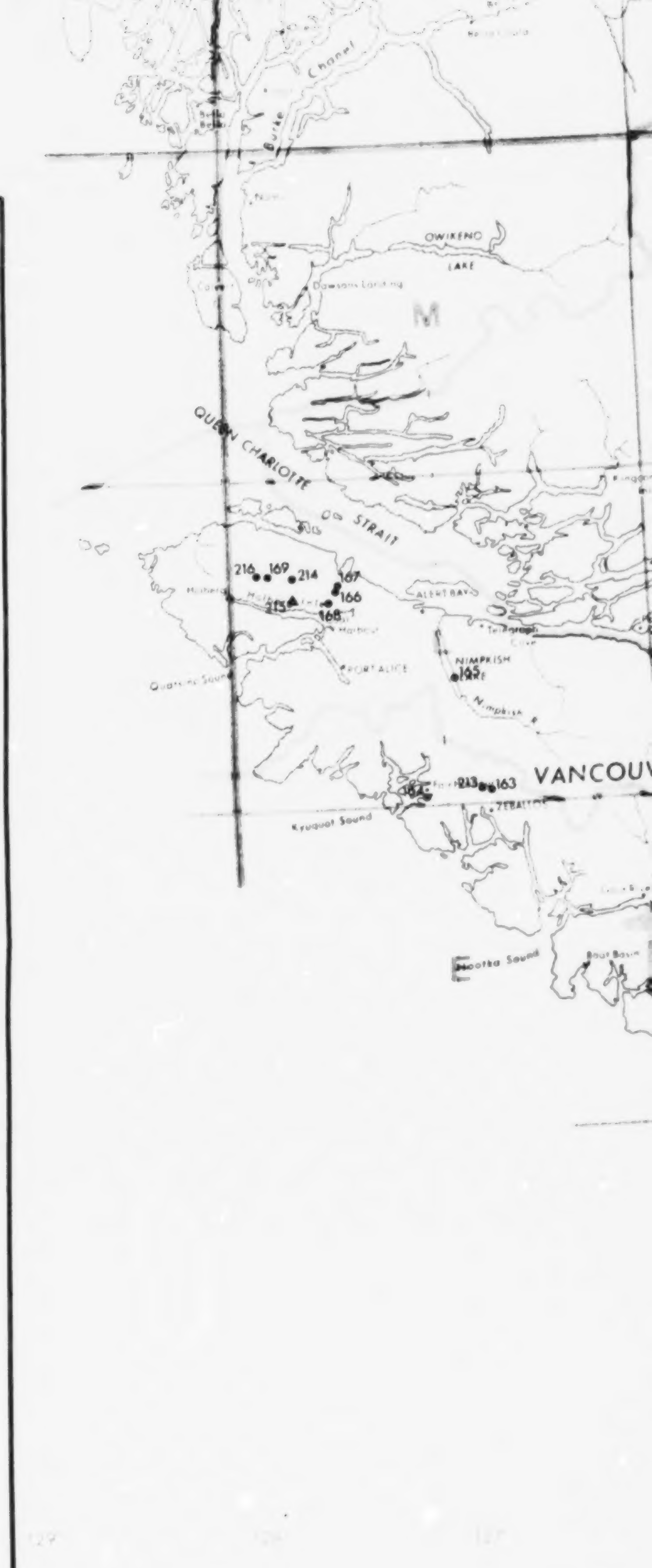

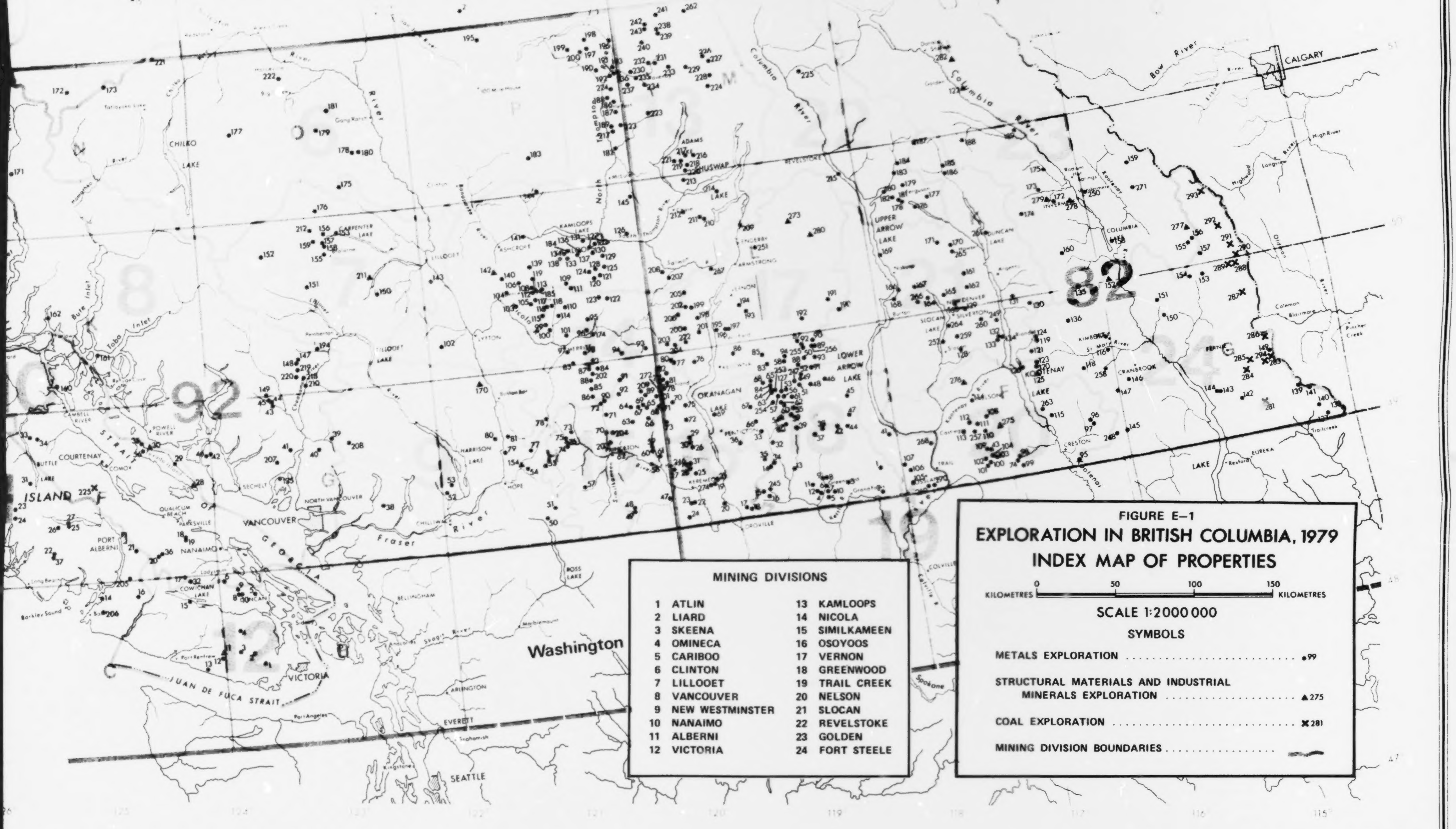
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CALGARY
Bow River
Columbia River
Fraser River
Thompson River
CHILKO LAKE
SHUSWAP LAKE
KAMLOOPS LAKE
ADAMS LAKE
UPPER ARROW LAKE
LOWER ARROW LAKE
OKANAGAN LAKE
KOOTENAY LAKE
DUNCAN LAKE
SLOCAN LAKE
COLUMBIA LAKE
HARRISON LAKE
CAMPBELL RIVER
COURTENAY
COMOX
POWELL RIVER
SECHELT
VANCOUVER
NORTH VANCOUVER
NANAIMO
PARKSVILLE
QUALICUM BEACH
PORT ALBERNI
COWICHAN LAKE
DUNCAN
VICTORIA
JUAN DE FUCA STRAIT
STRAIT OF GEORGIA
ISLAND
Bute Inlet
Toba Inlet
Barkley Sound
Port Renfrew
Washington
BELLINGHAM
EVERETT
SEATTLE
ARLINGTON
ROSS LAKE
Port Angeles
Spokane
LILLOOET
LYTTON
ASHCROFT
MERRITT
PRINCETON
PENTICTON
KEREMEOS
OSOYOOS
OROVILLE
Greenwood
Grand Forks
TRAIL
CASTLEGAR
NELSON
KIMBERLEY
CRANBROOK
CRESTON
FERNIE
NEW DENVER
REVELSTOKE
ARMSTRONG
Golden
Radium Hot Springs
INVERMERE
Coleman
Blairmore
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FIGURE E–1

EXPLORATION IN BRITISH COLUMBIA, 1979
INDEX MAP OF PROPERTIES

KILOMETRES 0 50 100 150 KILOMETRES

SCALE 1:2 000 000

SYMBOLS

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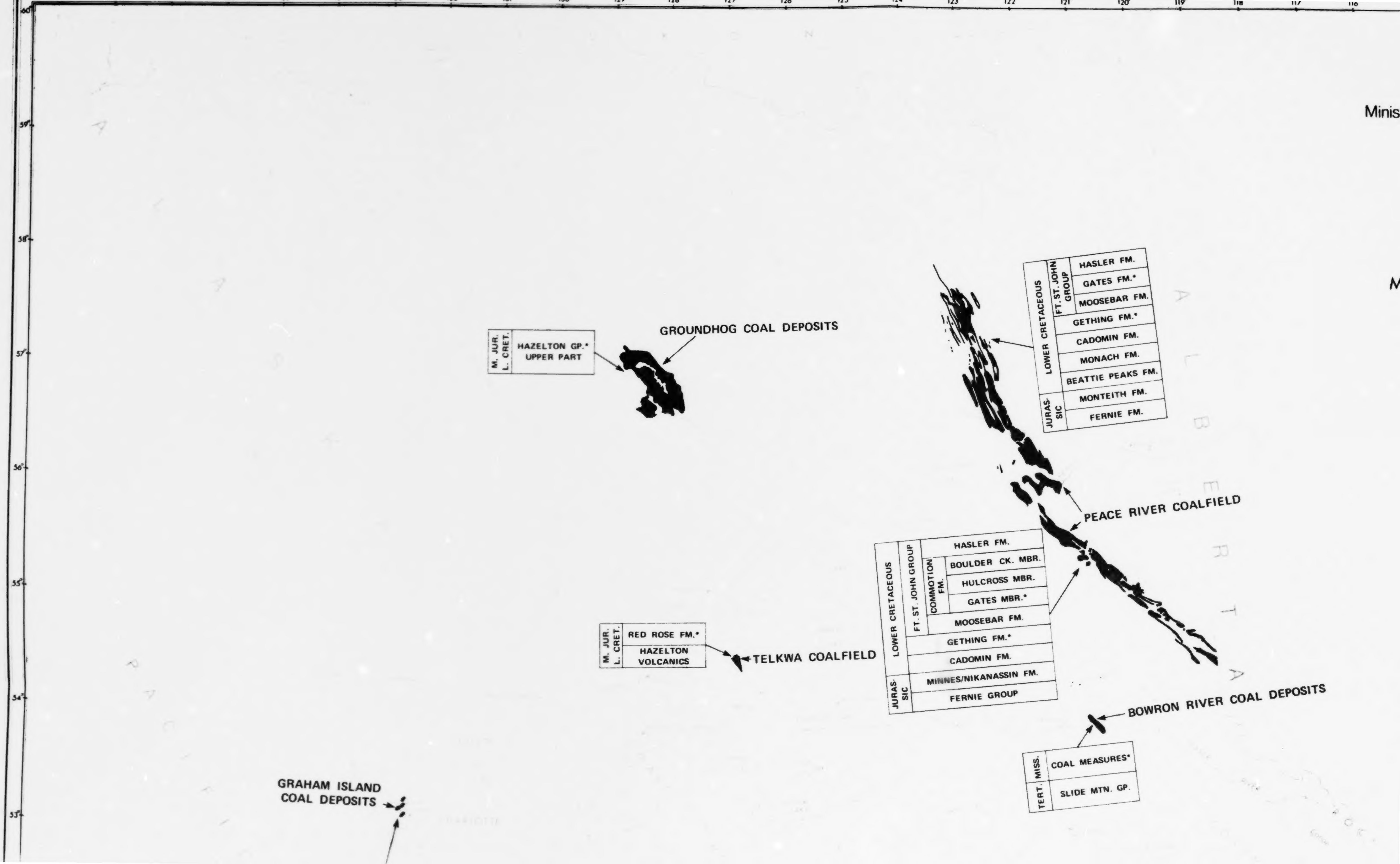
MINING DIVISION BOUNDARIES ....

MINING DIVISIONS

1	ATLIN	13	KAMLOOPS
2	LIARD	14	NICOLA
3	SKEENA	15	SIMILKAMEEN
4	OMINECA	16	OSOYOOS
5	CARIBOO	17	VERNON
6	CLINTON	18	GREENWOOD
7	LILLOOET	19	TRAIL CREEK
8	VANCOUVER	20	NELSON
9	NEW WESTMINSTER	21	SLOCAN
10	NANAIMO	22	REVELSTOKE
11	ALBERNI	23	GOLDEN
12	VICTORIA	24	FORT STEELE

To accompany Exploration in British Columbia, 1979, Ministry of Energy, Mines and Petroleum Resources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GROUNDHOG COAL DEPOSITS
M. JUR. L. CRET.
HAZELTON GP.* UPPER PART
PEACE RIVER COALFIELD
LOWER CRETACEOUS
FT. ST. JOHN GROUP
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GATES FM.*
MOOSEBAR FM.
GETHING FM.*
CADOMIN FM.
MONACH FM.
BEATTIE PEAKS FM.
JURASSIC
MONTEITH FM.
FERNIE FM.
LOWER CRETACEOUS
FT. ST. JOHN GROUP
HASLER FM.
COMMOTION FM.
BOULDER CK. MBR.
HULCROSS MBR.
GATES MBR.*
MOOSEBAR FM.
GETHING FM.*
CADOMIN FM.
MINNES/NIKANASSIN FM.
JURASSIC
FERNIE GROUP
TELKWA COALFIELD
M. JUR. L. CRET.
RED ROSE FM.*
HAZELTON VOLCANICS
BOWRON RIVER COAL DEPOSITS
MISS.
COAL MEASURES*
TERT.
SLIDE MTN. GP.
GRAHAM ISLAND COAL DEPOSITS
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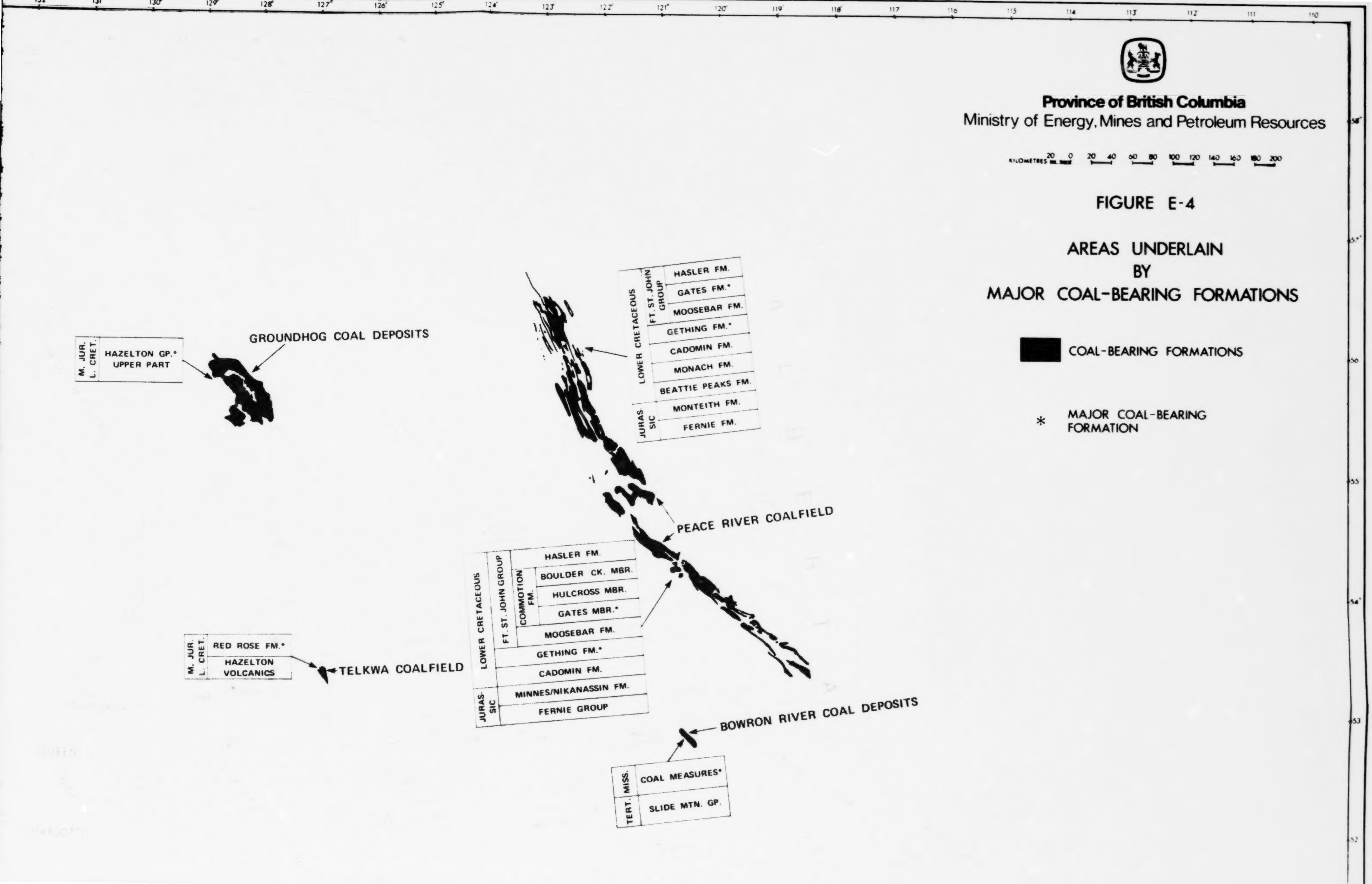
Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
KILOMETRES 20 0 20 40 60 80 100 120 140 160 180 200
COAL-BEARING FORMATIONS
* MAJOR COAL-BEARING FORMATION
GROUNDHOG COAL DEPOSITS
M. JUR. L. CRET.
HAZELTON GP.* UPPER PART
PEACE RIVER COALFIELD
LOWER CRETACEOUS
FT. ST. JOHN GROUP
HASLER FM.
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GETHING FM.*
CADOMIN FM.
MONACH FM.
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MONTEITH FM.
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BOULDER CK. MBR.
HULCROSS MBR.
GATES MBR.*
MOOSEBAR FM.
GETHING FM.*
CADOMIN FM.
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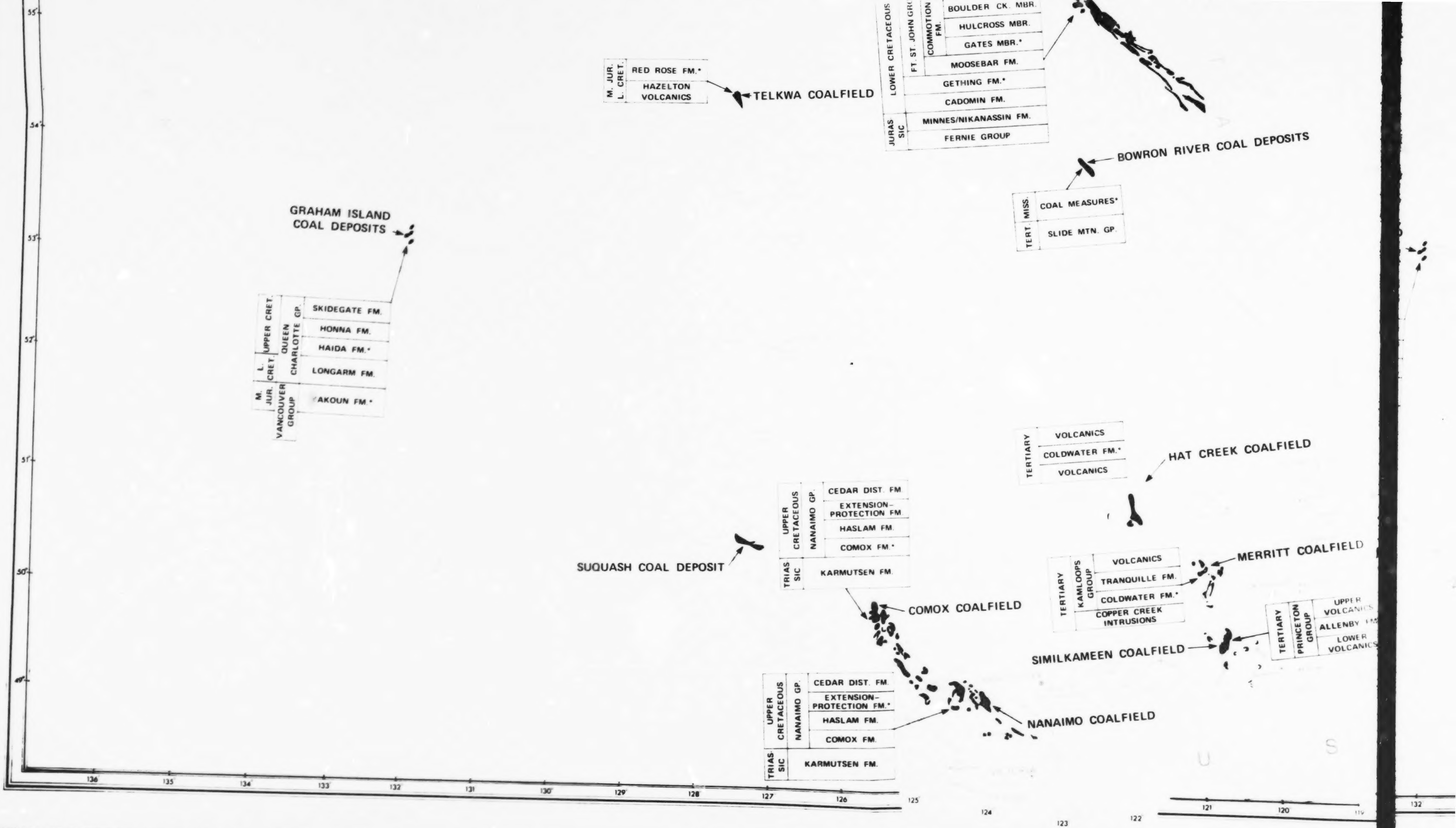
MINNES/NIKANASSIN FM.
FERNIE GROUP
TELKWA COALFIELD
M. JUR. L. CRET.
RED ROSE FM.*
HAZELTON VOLCANICS
BOWRON RIVER COAL DEPOSITS
MISS.
COAL MEASURES*
TERT.
SLIDE MTN. GP.

FIGURE E-4

AREAS UNDERLAIN BY MAJOR COAL-BEARING FORMATIONS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L. CRET.
RED ROSE FM.*
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COMMOTION FM.
BOULDER CK. MBR.
HULCROSS MBR.
GATES MBR.*
MOOSEBAR FM.
GETHING FM.*
CADOMIN FM.
JURASSIC
MINNES/NIKANASSIN FM.
FERNIE GROUP
BOWRON RIVER COAL DEPOSITS
MISS.
TERT.
COAL MEASURES*
SLIDE MTN. GP.
GRAHAM ISLAND COAL DEPOSITS
UPPER CRET.
L. CRET.
M. JUR.
QUEEN CHARLOTTE GP.
VANCOUVER GROUP
SKIDEGATE FM.
HONNA FM.
HAIDA FM.*
LONGARM FM.
YAKOUN FM.*
TERTIARY
VOLCANICS
COLDWATER FM.*
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HAT CREEK COALFIELD
UPPER CRETACEOUS
NANAIMO GP.
CEDAR DIST. FM.
EXTENSION-PROTECTION FM.
HASLAM FM.
COMOX FM.*
TRIASSIC
KARMUTSEN FM.
SUQUASH COAL DEPOSIT
COMOX COALFIELD
TERTIARY
KAMLOOPS GROUP
VOLCANICS
TRANQUILLE FM.
COLDWATER FM.*
COPPER CREEK INTRUSIONS
MERRITT COALFIELD
TERTIARY
PRINCETON GROUP
UPPER VOLCANICS
ALLENBY FM
LOWER VOLCANICS
SIMILKAMEEN COALFIELD
UPPER CRETACEOUS
NANAIMO GP.
CEDAR DIST. FM.
EXTENSION-PROTECTION FM.*
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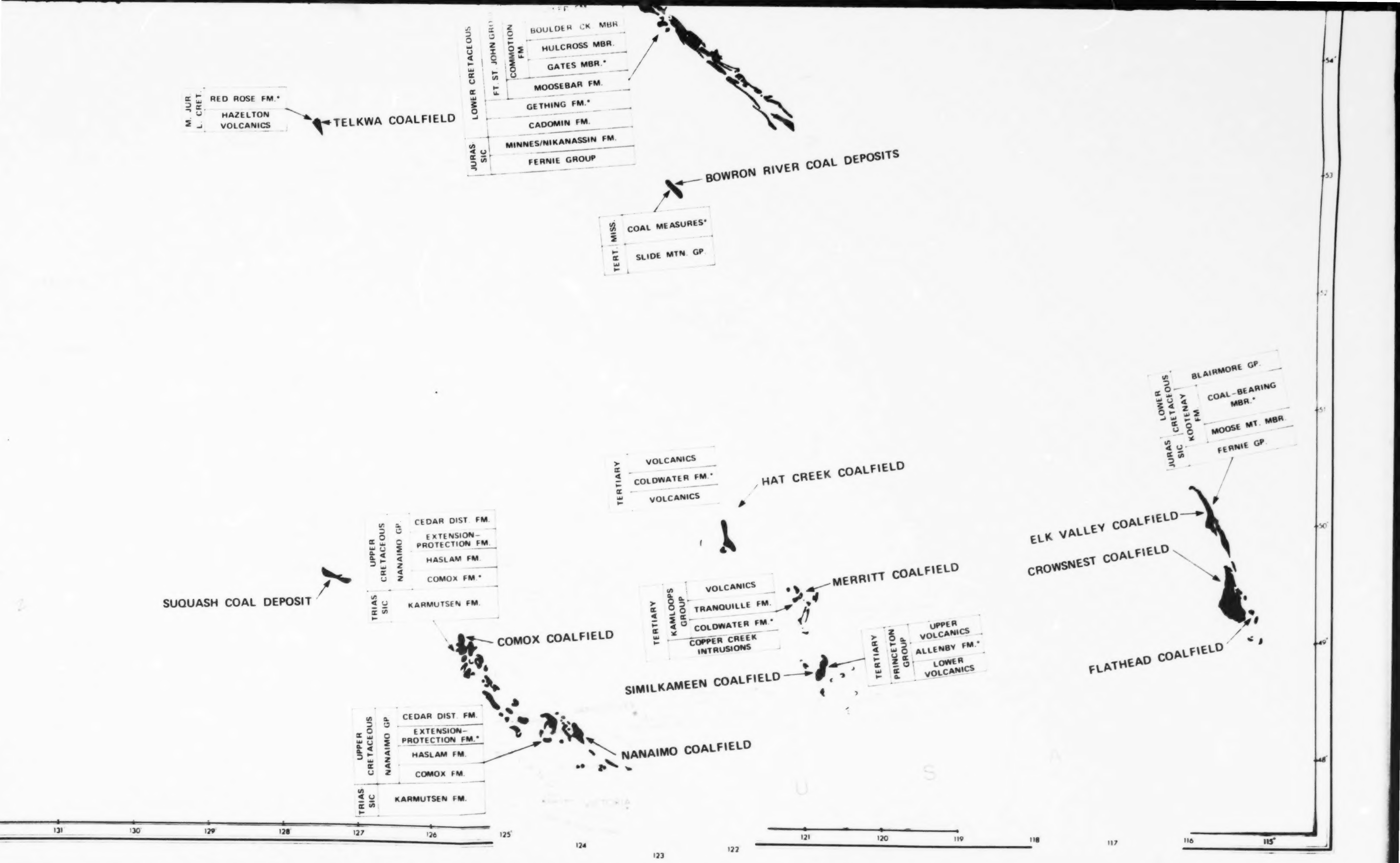
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BOULDER CK. MBR.
HULCROSS MBR.
GATES MBR.*
MOOSEBAR FM.
GETHING FM.*
CADOMIN FM.
JURASSIC
MINNES/NIKANASSIN FM.
FERNIE GROUP
M. JUR. L. CRET.
RED ROSE FM.*
HAZELTON VOLCANICS
TELKWA COALFIELD
BOWRON RIVER COAL DEPOSITS
MISS.
COAL MEASURES*
TERT.
SLIDE MTN. GP.
LOWER CRETACEOUS
KOOTENAY FM.
BLAIRMORE GP.
COAL-BEARING MBR.*
MOOSE MT. MBR.
JURASSIC
FERNIE GP.
TERTIARY
VOLCANICS
COLDWATER FM.*
VOLCANICS
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ELK VALLEY COALFIELD
CROWSNEST COALFIELD
UPPER CRETACEOUS
NANAIMO GP.
CEDAR DIST. FM.
EXTENSION-PROTECTION FM.
HASLAM FM.
COMOX FM.*
TRIASSIC
KARMUTSEN FM.
SUQUASH COAL DEPOSIT
MERRITT COALFIELD
TERTIARY
KAMLOOPS GROUP
VOLCANICS
TRANQUILLE FM.
COLDWATER FM.*
COPPER CREEK INTRUSIONS
COMOX COALFIELD
TERTIARY
PRINCETON GROUP
UPPER VOLCANICS
ALLENBY FM.*
LOWER VOLCANICS
FLATHEAD COALFIELD
SIMILKAMEEN COALFIELD
UPPER CRETACEOUS
NANAIMO GP
CEDAR DIST. FM.
EXTENSION-PROTECTION FM.*
HASLAM FM.
COMOX FM.
TRIASSIC
KARMUTSEN FM.
NANAIMO COALFIELD
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115°

POOR

QUALITY

ORIGINAL